Inside displaced to violet means focus should be made shorter

Pressing in right hand switch of dome turning relay
moves dome to the East

Last plate report	1942-43	8939		
" "	June 1943	8948		
" "	July "	9054	106	
	Aug "	9185	131	237
	Sept "	9380	195	432
	Oct "	9587	207	639
	Nov "	9665	78	717
	Dec "	9707	42	759
	Jan 1944	9779	72	831
	Feb "	9825	46	877
	March "	9908	83	960
	Apr "	10012	104	1064
	May "	10075	63	1127
	June "	10154	79	1206
	July "	10285	131	131
	Aug "	10478	193	324
	Sept "	10590	112	436
	Oct. "	10736	146	582
	Nov. "	10816	80	662
	Dec 31	10856	40	702

r Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
				DAVID DUNLAP OBSERVATORY
				74" LOGBOOK
				VOL 13
				Plate Nos 9981 - 10915
				April 1944 - FEB 1945

Date Friday Apr 21-22 / 44 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
9981	HD 78633	9 043	72 04	I-25	E103a-0	008	+10.0	19 46	20 36	1 09W
9982	82189	9 25.4	72 39	"	"	"	+9.9	20 41	20 55	1 07W
9983	83550	9 34.2	78 36	"	"	"	+10.0	20 59	21 29	1 31W
9984	α Ursae Maj.	10 57.6	62 17	"	"	"		26 40		
9985	"	"	"	"	"	"		26 45		
9986	HD 99967	11 25.0	47 12	"	"	"	+9.7	21 52	22 32	47W
9987	115271	13 11.0	41 23	"	"	"	+9.7	22 38	22 48	42E
9988	118 295	13 30.9	44 43	"	"	"	+9.7	22 55	23 19	31E
9989	119 445	13 38.2	42 10	"	"	"	+9.7	23 24	00 00	2W
	Focus Test.									

14 Plates in dome.

Sunday apil 23-24 H cloudy

Sunday apil 25-26 H cloudy

Focus 23.62

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	H	REMARKS
1 09W	+71 54	1-0	7.46	K0	1½ 1½ 1½	1	
1 07W	72 26	1-0	6 24	F5	1½ 1½ 1½	2	
1 31W	78 24	1	7 19	G5	1½ 1½ 1½	3	
		1	3.0	K0	5S	4	3} Exp 40S 40S
		1	3.0	K0	5S	4	8} " 30S 30S
47 W	46 58	1	7.49	K0	1½ 1½ 1½	1	
42 E	41 09	1	5.82	A5	2 - 2	2	
31 E	44 28	1-0	6.77	A5	1½ 1½ 1½	3	
2m W	41 56	1	7.34	K0	1½ 1½ 1½	4	
					7 - 6		

Saturday Apr 22-23

cloudy.

	MC	SC	MT	ST
Apr. 24	-01.6	-12.4	-00.6s	-0.2m
	reset added 0.5 wt			reset - stopped

7

Date Wed Apr 26-27 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Ind
9990	γ Leonis	10 14.5	20 21	I - 25	E 103a-O	.008	+8.0	20 39		24 W
9991	"	"	"	"	"	"	+8.0	20 43		28 W
9992	72 Leonis	11 09.9	23 38	"	"	"	+8.0	20 54	21 18	8m W
9993	HD 99967	11 25.0	47 12	"	"	"	+7.9	21 25	22 15	48 W
9994	107274	12 14.9	49 32	"	"	"	+7.9	22 19	22 39	24 W
	Focus									

F = 236s

Hour Angle End	Declination	H	Seeing	Ptg. Mag.		Comp	REMARKS
24 W		1	1 ?	3.3	K0	5	40s 40s 3
28 W		1	1 ?	3.3	K0	5	20s 20 8
8m W		2	1-0	6.2	Ma	2 - 2	3 10m 10m
48 W	46 58	1	1-0	7.49	K0	1½ 1½ 1½	
24 W	49 18	2	1	6.63	K2	1½ 1½ 1½	Dome - wet - fog in dome.
						7 - 6	
							6 plates in Dome
							Heat on mirror

Date Thursday 1944 April 27-28 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
						set					
9995	HD 85709	09 48.5	+06 26	1-25	E-103aO	.008	+09.2	19 56	20 40	3	0 55 W
9996	38 Leo. Min.	10 33.4	+38 26	"	"	"	+09.2	20 45	21 01	4	0 30 W
9997	B.S. 4345	11 07.1	+36 21	"	"	"	+09.2	21 08	21 32	1	0 28 W
9998	HD 99967	11 25.0	+47 12	"	"	"	+09.2	21 37	22 21	2	0 59 W
9999	117261	13 24.1	+41 15	"	"	"	+09.2	22 27	23 11	3	0 00 E
10000	120602	13 45.4	+05 59	"	"	"	+09.2	23 17	23 55	4	0 14 W
	focus test										

Focus set 23.73 ± .6

ng Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.					REMARKS	
40 3	0 55 W	+06 12	1-2 +	7.62	Ma	1½	1½	1½	seeing variable	good.
01 4	0 30 W	+38 12.0	1-2	6.6	G5p	2	2	2	8m - 8m 3rd comp. with flipper in.	little strong
32 1	0 28 W	+36 06	1	6.9	Go	1½	1½	1½	12 - 12 " "	little strong out
21 2	0 59 W	+46 58	1	7.49	Ko	1½	1½	1½		good
11 3	0 09 E	+41 02	1	7.54	Ko	1½	1½	1½		good
55 4	0 14 W	+05 47	1-0	7.25	Ko	1½	1½	1½	set 3	good
						7-5		" 8	Focus good	

4 plateholders loaded; unopened box of plates in dome.

Date Friday Apr 28-29 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
10001	HD 82685	09 28.4	73 32	I-25	E103a-O	.008	+10.5°	19 55	20 31	1	5°W
10002	80953	09 17.7	64 23	"	"	"	+10.4	20 37	21 17	2	2.0°W
10003	99967	11 25.0	47 12	"	"	"	+10.4	21 22	21 58	3	0°W
10004	118266	13 30.6	10 43	"	"	"	+10.5°	22 05	22 45	4	3.8°E
10005	117405	13 25.0	6 32	"	"	"	+10.6	22 49	23 25	1	5°W
10006	117404	13 25.0	7 43	"	"	"	+10.5°	23 28	00 01	2	2°W
	Focus Test										

Focus 23.64 unchanged

ng Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
21	1 07W	73 18	1-2	7.2	Fo	1½ 1½ 1½	n ? *
17	2 05W	64 11	1-2	7.53	K2	1½ 1½ 1½	
58	41W	47 00	1-2	749	K0	1½ 1½ 1½	
4	38E	10 28	1-2	746	K0	1½ 1½ 1½	
1	07W	6 16	1	741	K0	1½ 1½ 1½	
1	47W	7 28	1-2	747	K5	1½ 1½ 1½	
						7 - 5	

13

Date Saturday 1911 April 29-30 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10007	HD Sm 670	09 28.5	+ 49 33	1-25	E-10[illegible]	10.8	+15.2	20 01	20 51 3	1.35 W
10008	BA 231	10 05.3	+ 37 53	"	"	"	+15.2	20 56	21 50 4	1.35 W
10009	99961	11 35.0	+ 47 12	"	"	"	+15.2	21 35	22 03 1	0.37 W
10010	117281	13 24.2	+ 31 06	"	"	"	+15.2	22 20	22 42 2	0.30 W
10011	110678	12 38.7	+ 61 42	"	"	"	+15.2	22 48	23 14 3	0.47 W
10012	112486	12 51.9	+ 54 39	"	"	"	+15.2	23 18	23 [illegible] 4	0.47 W

Sunday Exposed 2 Hours 1 hour 45 - cloudy

Sunday May 2-3 - Thin cirrus [illegible]

last 10 minutes.

Tau at 2° 54 ±

ng Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1 32 W	+23 42	1-2	7 61 K5	1½ 1½ 1½	sky hazy.
	1 35 W	+37 42	1	7·14 K0	1½ 1½ 1½	
	0 59 W	+46 57	1	7 42 K0	1½ 1½ 1½	sky improving
	0 30 E	+50 53	1	6·85 A3	1½ 1½ 1½	foggy later seeing worsens
	0 47 W	+61 27	2-3	7 46 K0	1½ 1½ 1½	
	0 47 W	+54 34	2-3	5·90 A0	2 - 2	2nd component on slit

WBEN May 1

	MP	SC	MTW$_s$	STW$_m$
	+04·0	-12·9	-04·5	-0·4

rent - stopped

Date Sunday, May 3-4, 1941 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10012	HD 78234	09 02.3	+32 57	1-25	E-103a-O	2nd 008	19.1	20 10	20 52	1 15m
10013	HD 79267	11 25.0	+41 12	"	"	"	19.1	21 12	21 [illegible]	2
	Same Field - center & straight line									
10014	HD 111 412	12 [illegible]	[illegible]	"	"	"	15.6	[illegible]	22 5[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22 52	[illegible]	[illegible]
								23		
	Monday Morning 1-5, 1941 H									
	Cloudy with some rain.									
	Tuesday Morning 1-6 1941 H									
	Clear.									

Focus at 23.47

ng Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
5h	2 13 W	+32 44	0-1	6.57 F2	1½ 2 1½	Stopped by thick cloud, clearing to W. Sky
						Evening clouding up E. Shining at intervals.
2	1 33 W	+37 01	0-1	7.49 K0	1½ 1½ 1½	Sth. 37 Light cloud.
					8°/6° " 9J	
3	1 21 W	+42 01	1-2	5.92 A0	2 - 2	Light cloud - tonight Thin cloud last night (with) a Cl + Cu.
4	1 39 W	+47 02	2	6.21 F0	1½ 1½ 1½	Evening, cloud - clear in early part.
						Thick cloud [illegible]

	MTW s	STW m
May 3 (WBEN)	-02.8	-0.1 reset
4 "	+06.0 reset	+0.0

17

Date Sunday, Setup 7-8, 1944 M Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10016	HD 99967	11 25.0	+47 12	C-25	C-103aD	.008	12.5	21 14	22 10	1	3
	117200	13 23.7	+65 15	"	"	"		~~22 14~~		2	
		Sunday Nov. 9-10				N					
		cloudy + rain									

Cloudy all day; showers after dark.

Hours lost 23.5^{h}

ag Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
1	1 28 W	+47 00	1	7.49	KO	1½ 1½ 1½	Light cirrus
2				6.94	FO		clouded up solid just after opening shut
							shut at 22^{h}05^{m} cloud cleared (closing

	MC	SC	MTW$_s$	STW^{m}
May 8	+07.6	−12.5	+13.6	+0.2

Date Wednesday May 10-11 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10017	HD 117201	13 23.7	65 15	I-25	E103a-O	008	+16.7	20 15	20 45	3.
10018	117200	"	"	"	"	"	+16.7	20 48	21 08	4
10019	29967	11 25.0	47 12	"	"	"	+16.5	21 14	22 00	1
10020	118656	13 33.4	77 04	"	"	"	+16.6	22 10	23 00	2
10021	122902	13 59.6	69 10	"	"	"	+16.6	23 05	23 55	3
10022	127929	14 29.0	60 40	"	"	"	+16.5	00 00	00 20	4
	Focus test									

I find a [illegible] when the next focus is taken. I do not want [illegible]
I can see. I look up over and see people from the Lafferty Dorm [illegible] the
needle was going to move. The heat would then come on and when I got
on the needle came to the other side, I pressed Lafferty down again
(Lights are shut up at top room)
Two flashes in Dorm

Forms 23.50

ng Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
45	1h 44 E	65° 00	2	7.89 FO	2 - 2	
4	1h 21 E	65° 01	2	6.94 FO	2 - 2	Bright star.
00	1 30 W	46 57	1	7.49 KO	1½ 1½ 1½	
00	23 W	76 50	2	7.88 K5	1½ 1½ 1½	
5	47 W	68 54	1-2	7.60 KO	1½ 1½ 1½	rate dec?
4	48 W	60 25	2	6.46 FO	2 - 2	" "
					7 - 5	

21

Date Tues., 1941 / 4 / 13-14 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10633	HD 90657	11 25.0	+37 12	1-35	E 103a0	.06	+16.8	21 03	21 27 1	
10634	120737	13 46.5	+61 59	"	"	"	+16.7	22 04	22 14 2	
10635	110536	13 32.5	+50 00	"	"	"	+16.7	22 38	22 56 3	
10636	125632	14 15.6	+55 20	"	"	"	+16.6	23 33	23 58 4	
	poss. E.I						+17.1			

g Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1 39 W	+46 39	0	7.49 Ko	1½ 1½ 1½	
	0 05 E	+61 45	0-1	7.05 Ko	1½ 1½ 1½	
	1 03 W	+49 45	1	7.60 Ko	1½ 1½ 1½	seeing improving slightly
	0 47 W	+55 08	1-0	6.63 Ko	1½ 1½ 1½	
					7-5	

Date Sunday, May 14-15, 1944 M Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
	HD 99947	11 25.0	+47 12	I-25	C-103a-O	.008 set	+19.2			1	
10 027	HD. 125539	14 49	+39 12	"	"	"	+19.0	23 22	0 0½	1	1 11
10 028	132879	14 56.4	+22 27	"	"	"	+19.0	0 05	0 5½	2	1 51

Monday -

P.M. covered a red neon light in parallel to hearing aid for afternoon.

Cloudy late afternoon + evening. Clearing finally at around 21[h].

Assessment 23.47

ng Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
		+46 58		749 KO	Clouded over till 21[h]59 just as setting was finished. Ended clear after 23[h]00'
	1 01 W	+39 00	0-1	726 G5	1½ 1½ 1½ Seeing very poor at start, improved slightly at end.
	1 08 W	+22 16	2-3	745 KO	1½ 1½ 1½ Cloud 0[h]22 [illegible] of the sample.
					Sample [illegible]

		MC	SC	HTW	STW
(WBEN)	May 15	+11.6	−17[s]	+15	+0[m]1

1918

Date Monday May 15-16 Y- No **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H.	Hour Angle End
10029	HD 99967	11 25 0	47 12	I-25"	E103a-O	008	+19.6	8 16	8 56	3	-5 W
10030	118741	13 22 7	51 13	"	"	"	+19.6	9 02	9 52	4	:7 E
10031	121146	13 486	68 49	"	"	"	+19.5	10 00	11 24	1	:2 W
10032	127334	14 25.7	42 15	"	"	"	19.4	11 36	00 12	2	1.5 W
10033	121[illegible]	15 16 7	25 20	"	"	"	19.5	00 17		3	
	From Lick										
10033	161133	17 321	51 52	"	"	"	19·2	02 47	03 17	1	.5 W
10034	161369	17 401	44 08	"	"	"	10·3	03 23	04 11	1	.9 W
	New Box ½ Plates in Brass										

Focus unchanged.

ng Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
56	45 W	46 57	2	749 K0	1½ - 1½ 1½	Haze.
52	27 E	51 00	2 - 3-1	777 K5	1½ 1½ - 1½	double, well resolved at first.
	52 W	68 36	3-0	744 K0	1½ 1½ 1½	Thick haze.
12	1 08 W	42 04	2-3	701 G0	1½ 1½ 1½	
		25 08		744 K0	~~1½~~ 2-5	cleaning 00·45 but fitting on shutter clouding and cleaning up to 02·45 when it appeared to be going to stay clear - hazy - fitting to rapidly 03·50 - clear 03·55 - 04·06
	0 55W	51 50	2-1	7·12 K0	1½-1½-1½	
11	1 48W	49 05	2-1	764 K2	1½-1½-1½	

Date Sunday, May 21st, 1944 H-N **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10025	U 99767	1 25.0	+47 12	I-25			15.1	20 16	21 16	2	
10026	119295	13 21.9	+39 13	"	"	"	13.2	21 20	21 52	3	1 20 E
10027	119301	13 36.0	+25 27	"	"	"	15.1	21 55	22 35	4	
10028	122175	13 58.2	+41 15	"	"	"	15.1	22 39	23 19	1	
10029	127403	14 20.1	+27 44	"	"	"	15.0	23 32	00 52	2	1 47 W
10030	127615	14 24.2	+26 49	"	"	"	17.8	00 01	00 44	3	2 51 W
10031	100150	17 27.7	+43 31	"	"	"	17.7	00 50	01 31	4	3 [illegible]
10032	118350	14 47.0	+00 01	"	"	"	17.8	03 41	03 51	1	1 21
10033	173039	15 06.1	+52 16	"	"	"	17.8	03 55	04 13	2	5 [illegible]
	I [illegible]										
	[illegible]										

Cloudy + rain most of day. Clearing late afternoon.

Position at 23.48.49

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 [illegible]	+46 53	1-2	7.49 K0	1½ 2	Haze + light fog.
1 20 [illegible]	+44 28	2-1-2	6.77 A5	1½ 1½	very poor lines.
2 [illegible]	+28 20	2	7.24 [illegible]	1½ 1½	Haze all round; fairly transparent overhead.
1 [illegible]	+46 03	2-3	7.64 [illegible]	1½ 1½	
1 47 N	+28 31	2-1	7.05 [illegible]	1½-1½	Fair seeing. (Short period)
3 21 W	+28 31	1	6.25 A0	1½ 1½-1½	" " (Slightly following ")
1 17 W	+43 29	2-1	7.67 K0	1½ 1½-1½	Haze + fog lifting 02 30
1 21 W	+40 28	2	5.57 A0	1½ 1½ 1½	
0 39 W	+52 20	2	6.93 K0	1½ 1½ 1½	

29

Date Tuesday into May 18-19 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
	HD 99967	11 25.0	+47 12	10-5	Eastman	.008				
									13	
		Friday May 19-20			Y					
	HD 99967	11 25.0	47 12	10-5	"	"	124	8 33	9	

Hazy misty. Cleared finally well by 21:30

30

Focus set 23.57 L

g Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
				7.49 Ko	Hazy misty. Cleared finally well by 21:30
					Clouds – Hazy the sky will continue overcast.
					Closed up on dogwt.
					New line of plates written.
					Re-in charge of new work.
					Cont
	1 15 W	4 5	0	7 M	1/2 1 1/2 Very clear. Did not get a test
					Comp set Hard was working much
					after 2 15

Date 1944 May 20-21 (Saturday) N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle East
10042	HD 99857	11 25.0	+57 13	1-25	E103a-O	.008	+13.3	20 35	21 19 4	
10043	122741	13 58.6	+63 01	"	"	"	+18.2	21 32	22 20 1	
10045	121647	13 51.1	+01 32	"	"	"	+13.3	22 24	22 44 2	
10046	122210	13 59.6	+02 47	"	"	"	+18.3	22 45	23 45 3	
	Comet									

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	1·23W	+46 [illegible]	0-1	7·49 Ko	1½ 1½ 1½ [illegible] ← [illegible]
	0 04E	+07 49	0-1	7·35 Ko	1½ 1½ 1½ ← last time adjusting iron arc. NEEDS FURTHER ATTENTION
	0 28W	+01 19	1	6·02 A3	1½ 1½ 1½ arms close. OK
	1 20W	+02 33	0-1	7·35 Ko	1½ 1½ 1½ 5 [illegible]
					7-5 8

May 22 MC +10·7 SC -22·0 MT 00ˢ·0 ST −0ᵐ·0

Rest

33

Date 1924-25 Wednesday Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1[illegible]	[illegible]	11 [illegible]	-1 [illegible]	[illegible]	[illegible]	[illegible]	+19 2	9 15	9 21	[illegible]
100-1	[illegible]	11 37 1	39 [illegible]	"	"	"	+19 3	10 26	11 26	/
	Focus									
		May 25-26								
		foggy - muggy night - no good						M		

From 23 95

ling Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	2h 45m W	46 57	1	7.40	0	1½ 1½ 1½
	1 32 W	58 06	1	6.36	A0	1½ 1½ 1½
						1 - 5"
				May 25	WBEN	M.T. ST -03s -0.2 Bent

Date Friday May 26-27 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
10048	HD 114724	13 07.3	24 48	I-25"	E103a-O	008	+25.3	8 44	9 20	2	W
10049	114793	13 07.7	19 17	"	"	"	25.3	9 23	9 59	3	W
10050	118686	13 [illegible]	77 04	"	"	"	25.2	10 06	10 56	4	W
10051	122064	13 50.4	61 59	"	"	"	25.1	11 01	11 41	1	SW
10052	122985	14 59.6	34 56	"	"	"	25.0	11 46	00 26	2	SW
Upon the plate Focus.										3	

Cam up at 8:00 found lower half of mirror white
opened dome, put fan on. wiped off mirror -
looked reasonable at start

36

Focus 2340

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
10m W	24 33	2	746 K0	1½ 1½ 1½	
49 W	19 01	2-1	736 G5	1½ 1½ 1½	
1 32W	76 49	2-3	788 K5	1½ 1½ 1½	
1 45W	61 44	2	758 K5	1½ 1½ 1½	
1 26W	34 46	2-1	743 K0	1½ 1½ 1½	
				7- 5-	

Land seem clear out adjusting before using again

1st [illegible] 2 1/2 min longer!
23 rd - about 1/2 longer than calculated

37

Date 1944 May 27-28 Saturday N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10053	HD 122909	13 59·6	+69 10	1-25	Eiga O	·008	+24·0	20 25	21 31 4	.35
10054	118 536	13 32·5	+50 00	"	"	"	+23·7	21 30	22 26 1	55W
10055	124 681	14 09·9	+03 47	"	"	"	+23·7	22 41	23 57 2	1 49
	from Cal									

Focus at 2.43 ± (0.03 ... calculated)

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	c 26E	+68 55	0-1	7.57	Ko	1½ 1½ 1½	Seeing improving towards end of exposure
	o 55W	+49 47	1-2	7.60	Ko	1½ 1½ 1½	image unsteady
57½	1 49W	+03 35	1-0	7.97	Ma	1½ 1½ 1½	had to clamp RA by hand.
						7-5 ?	focus

Date Monday May 28-29 1944 — J. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10056	HD 121146	13 48.6	+63 49	I-25	I-103a-O	30F	+24.4	20 35	21 35	3
10057	118656	13 33.4	+77 04	"	"	"	+24.5	21 39	23 03	4
10058	130025	14 40.8	+19 12	"	"	"	+24.4	23 09	23 55	1
10059	136643	15 16.7	+25 30	"	"	"	+24.2	23 58	0 42	2
10060	148228	16 21.5	+11 40	"	"	"	+24.1	0 46	1 29	3
10061	157257	17 17.1	+16 50	"	"	"	+24.2	1 27	2 17	4
10062	174081	18 45.6	+48 29	"	"	"	+24.3	2 50	3 37	5
10063	179284	19 21.1	−52 16	"	"	"	+24.2	3 12	3 [illegible]	5
	From N.T.		Till 7h. Mon.							

Focus set 23.43

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
0 06 E	+68 36	0	7.44	K0	½ ½ ½	North wind.
1 37 W	+76 51	0-1-0	7.88	K5	½ ½ ½	Seeing unsteady! *
1 21 W	+19 07	1-2	7.39	K0	½ ½ ½	
2 32 W	+25 10	1-2	7.44	K0	½ ½ ½	
1 19 W	+11 32	1	7.21	K0	½ ½ ½	
1 36 W	+16 48	1-2-1	7.94	M2	½ ½ ½	
1 32 W	+43 43	1-2	6.10	A2	2-2	Fuzzy here
2 47 W	+52 20	1-0	6.13	K0	½ ½ ½	at 37 seeing steady up to finish.
					8 36	8 J

* In P.S. Dark clouds [illegible] reflected from snow; much [illegible] with contact [illegible] with [illegible]. Nights OK. Nights [illegible]

41

Date Monday May 29-30 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10064	HD 121607	13 51 4	01 32	I-25"	E1030-0	0.08	+25.9	20 38	21 08 5	E
10065	124186	14 06 9	32 45	"	"	"	+26.0	21 13	22 13 4	W
	9 Sum						+25.9			

Focus 23.40

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
13	34 E	+1 18	1	6.02	A3	1½ - 1½ 1½	Rose - co. [illegible]
13 4	16 W	32 33	1-0	7.31	K2	1½ 1½ 1½	
						7- 5"	

Date Tuesday Morning 30-31 1944 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10466	HD 122903	13 59.6	+69 40	3-3X	E-103a-O	2.0	+27.1	20 39	21 33	1	
10467	1.67741	13 33.7	+51 13	"	"	"	+27.0	21 37	22 41	2	
10468	127207	14 34.1	+38 44	"	"	"	+27.0	22 44	23 36	3	
10469	127267	14 29.2	+28 44	"	"	"	+27.0	23 37	0 13	1	
10470	142603	16 12.1	+57 24	"	"	"	+27.5	0 21	0 57	1	
10471	151623	16 42.5	+79 56	"	"	"	+27.0	1 21	1 41	2	
10472	154319	16 59.7	+69 20	"	"	"	+26.9	1 44	2 21	3	
10473	173298	18 40.0	+62 39	"	"	"	+27.0	2 27	2 44	1	
	Same Cat - extend Obs'n									1	
10474	179194	19 01.1	+52 16	"	"	"	+26.9	2 54	3 14	1	
10475	182488	19 17.8	+33 01	"	"	"	+27.0	3 17	3 53	2	

Wind Thermometers up 1 night; 1°C in one fold.

From 23.25

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0 12 W	+68 55	2	7.60 KO	1½ 1½ 1½	Light haze at start. Clear
1 22 W	+50 57	3-2-1	7.9? K5	1½ 1½ 1½	Hazy, mild; deteriorating
1 26 W	+29 32	2-3	7.45 A0	1½ 1½ 1½	Faint, freezing, slight mist (ice).
2 22 W	+25 32	3-1	6.95 A0	1½ 1½ 1½	Bright, flaring
1 21 W	+17 12	2	7.25 K0	1½ 1½ 1½	
1 11 W	+38 51	2-3	7.55 K0	1½ 1½ 1½	
1 41 W	+19 15	2-3	7.52 K0	1½ 1½ 1½	
2 26 W	+62 38	3	7.01 K0	1½ 1½ 1½	
				1½ 1½ 1½	
0 29 W	+12 18	3	6.92 K0	1½ 1½ 1½	" 8 Binary
0 [illegible] W	+33 25	3-2	7.50 K0	1½ 1½ 1½	

WT 5 Lights in dome blinked.

	MC	SC	HT	ST
May 31	+11.2	-31.5	H_s +01.3	m +0.0

45

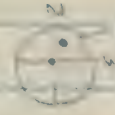
Date Tuesday 1944 June 13 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10076	HD 99567 focus Test	11 23.0	+47 12	1-25	E-103aO	10ci	+25.3	20 31	22 00 3	
10077	HD 153627	16 55.9	+65 11	"	"	"	+23.0	23 04	23 37 4	

Cloudy most of day. Hazy [illegible]

2341 ±

ing Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	[illegible]	+46 56	1	749 Ko	1½ 1½ 1½ 2-3	fog. clouds 21 30; clear [illegible]
17 -	0 55 E	+65 06	1-2	672 Fo	1½ 1½ 1½	time lost checking stars - clouds 2325-30



bright star

June 3 By Clocks. Sid Watch +0.3
M " +0.3

41

Date Saturday 1944 Jan 3-4 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10078	HD 99967	11 25.0	+47 12	1-25	E-10-20	.008	+20.2	20 45	21 49	1
10079	120374	13 47.1	+59 02	"	"	"	+20.0	21 56	22 26	2
10080	128402	14 31.6	+23 41	"	"	"	+19.9	22 32	23 22	3
10081	138936	15 30.1	+02 00	"	"	"	+19.9	23 27	23 57	4
	focus Cool									

ling Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2 55W	+46 57	0	7.49 Ko	1½ 1½ 1½	very poor seeing
	1 10W	+58 47	0	6.26 Ao	1½ 1½ 1½	
	1 21W	+23 30	0	7.48 Ko	1½ 1½ 1½	
	0 57W	+01 51	0-1	6.66 A3	1½ 1½ 1½	hazy clouds at 3
					7-5	

Date Sunday, June 4-5 1944 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10082	HD 125538	14 14 9	+39 12	I-25	E-103a-O	cut 008	+17 6	21 06	22 3[illegible]	1
	[illegible]									
	138903	15 29.3	+17 29	"	"	"				

Tuesday June 6-7 1944 H

Mostly cloudy all day & evening. A few [illegible] thin [illegible] but never of much duration. 11 E.

Partly cloudy during day; very hazy at sunset. Hazy clearing (?) towards dark. Often E wind.

50

Focus set 23.49

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	0 56 W	+39 01	0-1	7.26	G5	1½ 1½ 1½	Hazy. Reflected dark. Star hazy, with
						7/5'	Brightness of Disc.
				6.73	F0		Set on the star for half an hour - sky remained murky + star hazy until
							Closed up 23 15.

June 5 – Heat on 3 P.M. D.S.T.

	MC	SC	Y MT	ST
Jun. 5	+09 s	−41 s	+05	−0 m 0

51

Date Wednesday 1941 June 7 8 M-Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10033	HD 130970	14 45.9	+00 09	1-25	E103aO	.008	+15.6	20 43	21 51 2	.10E
10034	12 Ā 402	14 31.6	+23 41	"	"	"	+15.5	21 56	22 [illegible] 3	.34
10035	138504	15 27.6	+69 27	"	"	"	+15.5	22 56	00 16 4	1 35W
10036	179094	19 06 1	52 16	"	"	"	+15.0	00 24	00 44 1	.33
	} focus									

Tonight 23 50 E

ing Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
21	0 10 E	-00 01	0-1	7.31 K_2	2-2-2	
	1 04 W	+23 28	1-2	7.48 K_0	2-2-2	
1c	1 35 W	+62 17	1	7.67 K_5	2-2-2	seeing variable OK
11	1 39 E	52 20	1	6.93 K_0	2-2	clouded

53

Date Thur June 8-9 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
10087	HD 127067	14 24 2	28 44	1-25	E103a-O	008	+18.3	8 46	9 [illegible]6	2	21 W
10088	138803	15 29 3	17 29	"	"	"	+18.1	9 59	10 39	3	00
10089	139862	15 35 4	12 23	"	"	"	+18.1	10 43	11 23	4	38 W
10090	145694	16 07 2	56 06	"	"	"	+18.0	11 29	00 19	1	03 W
10091	179094	19 06 1	52 16	"	"	"	+18.1	00 25	01 01	2	15 E
	focus										

Focus 23 47

ing Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	21 W	28 31	0-1	6.95 A0	2-2-2	SF*.
	00	17 18	1	6.73 F0	2-2-2	
	38 W	12 11	0-2	7.09 G5	2-2-2	variable
	1 03 W	56 00	2	7.59 K0	2-2-2	
	1 15 E	52 18	2	6.93 K0	2-2-2	
					7-5	
		No plates in dome.				

95

Date Saturday, June 10-11, 1944 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
						Sof				
10092	HD 120874	13 47.1	+59 02	I·25	E-103a-O	008	16.4	20 42	21 17	3
10093	124681	14 09.9	+03 47	"	"	"	16.6	21 22	22 52	4
10094	137290	15 21.7	-45 37	"	"	"	16.2	22 56	23 50	1
10095	179094	19 06.1	+52 16				16.4	23 57	0 41	2
	Focus test - extend the run									

Hydro to beat 2h 4m EDST.

Cloud all day, clearing after sunset. Wind N-NW

Snow set 23.50 n. 51?

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 39 W	+59 48	2	6.36	A0 2-2-2	Bright lines. Image small but unsteady.
1 43 W	+23 33	2-1-0	T.T. Mag	2-2-2	
1 27 W	+45 28	1-2	7.31	K2 2-2-2	
1 27 E	-52 21	2	6.93	K0 2-2-2	Flocky, Holes. 7°/-3°

2 plates taken; 8 plates in date.

57

Date Sunday June 11/12 Y-No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10096	HD 132084	14 01	33 13	J-W	E 10-0	c=8	+22.9	9 20	10 50 / 11-10	3
	148084	16 37.4	35 27	"	"	"				4
10097 F	H.D. 156697	17 16.1	06 11	"	"	"	+22.3	23 54	00 30	1
	Screen test - outside Thin layer				7[S] 5[S]					

Clear all day. clouding almost the [illegible]

Focus 23.42

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
1 20 W	33 01	0	782	Ma	2-2-2	
			765	K5		
	+06 09	1	6.72	Fo	2-2	Focus Cambridge [illegible] - focus unchanged - thick haze in the region shortly after beginning exposures - sky very poor - take 20 s. to 30. Started 1 hour late - sky showed no signs of clearing - cloud up. - plate kept for [illegible] test.

	M.C.	S.C.	MT	ST
Jun. 12	+07.3	-40.0	+08.8	-0.0

59

Date Monday, June 12-13, 1944 M.J.D. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10997	HD 125535	14 14.9	+39 2	I-25	E-103a-O	2.1 .008	+23.2	20 53	22 52.2	
	138936	15 39.1	+02 00	"	"	"				

Cloudy all day; Some bits of sun.
Taking one at sunset. Thunder(?) much dark.
Wind + from W.
Some hail showers

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	2 24 W	+3° 00	1	7.26	F5	2-2-2	Stage. End stage 21h15m-21h30m. Thin, light day.
				6.16	A2		
							Very foggy. Good at 23h5

	MC	SC	HT	ST
June 13	+06.5	-52.3	+11.1	+0.0
June 14	+07.4	-52.6	+12.8	+0.1

Interior of the dome.
Looking thru diaphragm

61

Date Thursday to 15-11-1940 5-16-1 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10096	NGC 5907	15 13.4	+56 10	Newt	F103-0	—	—	22 05	22 [illegible]	[illegible]
10099	6205	16 39.2	+36 24	"	"	—	—	22 33	22 36	[illegible]
10100	5053	13 13.6	+18 01	"	"	—	—	22 43	23 13	[illegible]
10101	5466	14 02.1	+28 45	"	"	—	—	23 18	23 [illegible]	[illegible]
10102	6332	17 [illegible]	-12 [illegible]	"	"	—	—	23 56	24 [illegible]	[illegible]
10103	6283	17 15.7	-15 27	"	"	—	—	00 12	00 38	
10104	6779	19 14.2	+30 04	"	"	—	—	00 42	00 [illegible]	[illegible]

Cloudy most of day. Mirror fogged when first put it in, cleared before dusk. Left at 4p. was windy.

6

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	12 W				Focused on star Vega, observed Prograde
2 5.	0 44 E				recollimated and refocused
3 :	3 20 W				very thick haze
	3 [illegible] W				
	2 [illegible] W				
	1 20 E				

63

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10105	NGC 5002	13 10.4	+02 19	11	E 103a-O			21 53	21 55½	1
10106	5053	13 13.6	+ 2 01	"	"			22 03	22 10	2
10107	5466	14 05.1	+28 43					22 22	22 37	1
10108	6205	16 39.5	+36 34					22 43	22 48	2
10109	5053	13 13.6	+18 01					22 54	23 08	1
10110	5466	14 03.1	+27 48					23 11	23 23	2
10111	5366	13 44.4	- 2 01					23 32	23 42	1
10112	6333	17 15.7	-10 07					23 47	23 57	2
10113	6333	17 15.7	-10 07					23 57	00 07	1
10114	5053	13 13.6	+18 01					00 12	00 22	2
10115	5466	14 03.1	+28 48					00 30	00 42	1
10116	6333	17 15.7	-10 07					00 46	00 56	2
10117	6779	19 14.2	+11 44					01 00	01 09½	1
10118	6333	17 15.7	-10 07					01 15	01 26	2
10119	6314	19 14.2	+30 04					01 29	01 39	1
10120	6333	17 15.7	-10 07					01 44	01 54	2

Clear most of afternoon; cloudy from ~ [illegible]
~ thing obstructed [illegible] all night.
Strong N - NW wind.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 23 W				Guessed on eq Chose [illegible] by mistake
1 31 W				seeing terrible, lightning bad.
3 17 W				[illegible]	
2 43 W					
0 17 E	-02 01				← [illegible] + Comet
0 05 W					
04 27 W	+ 12 21	Bad			
04 [illegible] W	+ 2[illegible] 35				
1 04 W					Back to you, after 6 min. check pos.
0 15 E					Different set.
1 [illegible] W					
0 12 E					
2 23 W					Clear. Spectrum of [illegible]

65

Date Saturday Jan. 17-18 1941 S. M. T. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1 1121	NGC 5104	15 15.4	+02 19	Newt.	E-40-D			21 33	21 36	
1 1122	[illegible]53	13 13.1	+18 01					21 31	21 41	
1 1123	5466	14 02.1	+28 45					21 41	[illegible]	
1 1124	6215	16 [illegible]	[illegible] 34					22 [illegible]	[illegible]	
1 1125	6219	16 44.1	-21 50					22 51	22 [illegible]	
1 1126	6254	16 [illegible]	-04 [illegible]					22 14	22 [illegible]	
1 1127	5053	13 13.6	+18 41					22 24	[illegible]	
1 1128	5466	14 [illegible]	[illegible]					22 40	22 [illegible]	
10 1129	6779	19 14.2	+30 04					22 58	23 [illegible]	
1 1130	6366	17 24.4	-05 01					23 14	[illegible]	
1 1131	5053	13 13.6	[illegible]					23 [illegible]	[illegible]	
1 1132	5466	14 03.1	+28 45					23 46	[illegible]	
1 1133	6333	17 15.7	-19 27					[illegible]	[illegible]	
10 1134	6902	19 24.4	-13 12					00 19	00 33	
	KD 109	11 42.1	-60 11					00 35	00 43	
1 1135	6333	17 15.7	-19 27					00 [illegible]	[illegible]	

Cloudy most of day; heavy rain
mist, fog

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 22 E	+22 19	Fair			Fair to
	1 55 W					Twilight very bright. Clouds not visible.
	1 20 W					
	0 55 W					
	1 [illegible] W					
	2 30 W					
	2 15 W					
	2 40 E					Fair to [illegible]
	[illegible]					
	3 55 W					
	3 20 W					
	1 30 W					
	0 27 W					
	0 35 W					Fair to Poor + Haze
	[illegible] W					

67

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10136	H 60 6779	19 172	+22 04	Newt	E-103a-O			01 05	01 17	[illegible]
10137	5466	19 021	+62 98					01 23	01 35	[illegible]
10138	6353	19 2 1	-12 27					01 47	02 05	[illegible]
10139	7089	21 302	-01 07					02 12	02 27	[illegible]
10140	7089	21 302	-01 07					02 18	02 26	[illegible]
	6779	19 172	+30 04							

June 21-22/44

Sky clear 12 P.M. - Cumulus - filling in from S.E. 2.45 A.M. Cirrus
mostly clouds [illegible] - clearing for a few minutes
No signs of clearing by 3.15 A.M.

No.

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	0 36 E				
	5 04 W				clear thick haze
	2 15 W				
	1 16 E				
	1 36 E				

	m.c.	S.C.	Read S.W.	m.T.W. sec.	S.T.W. mm.
June 19	+3.2	-45.1	-9.4	-2.7	+0.1
	m.c.	S.C.	S.W.	m.T.W. sec.	S.T.W. mm.
June 22	+2.3	-46.6	-16.4	+00.6	+0.3

-continuous scattered
ers at 2 P.M.

Date Thursday, June 22-23 1944 H-V Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
						5.7				
10141	HD 138936	15 30.1	+02 00	I-25	C-102-0	009	+26.5	22 07	22 57	3
10142	153226	16 53.0	+14 03	"	"	"	+26.5	23 00	00 12	4
10143	179074	19 06.1	+52 16	"	"	"	+26.2	00 18	01 18	1
10144	172569	18 35.9	+65 24	"	"	"	+26.1	01 24	01 54	2
10145	184958	19 31.8	+70 47	"	"	"	+26.0	01 59	03 29	3
	Focus test - outside three bar - 7.5 - 5.5									

1944 Friday June 23-24 Cloudy with thunderstorm N

Cloudy much of day. Clearing after dark.

Frame set 23.38

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
1 12W	+01 50	0-1	6.66	A3	2-2-2	* Haze
1 04W	+13 57	1	7.29	F5	2-2-2	Haze
0 01E	+52 20	1	6.93	K0	2-2-2	
1 05W	+65 27	1	6.08	A3	2-2-2	
1 45W	+70 51	1-2	732	K2	2-2-2	haze - getting very thick 03.00 - image very poor 3.00 - 05.30

* Start delayed first by clouds and then by faulty connection on focussing motor. Remade the connection, OK.

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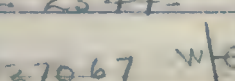
Date Saturday June 24 25/44 No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
						Sol.					
10146	H.D. 127043	14 21 M23 44		1-25"	L.S.O.	.002	+21.2°C	20 57	22 [illegible]		
10147	155500	17 06 708 01		"	"	"	20.9	22 53	00 39	1	L.S.W.
10148	170137	18 22 8 +04 41		"	"	"	21.0	00 35	01 55	2	[illegible] N
10149	199241	20 55.2 +16 26		"	"	"	21.0	02 54	03 43	5	[illegible] N
	Trees tack outside the box 7^{s}-5^{s}										
	All spaced 2-2.5 times that stated on Pl. 1										

Rather high North wind 21:00

Reading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2 15 W	+28 31	1	7.45	Ho 2-2-2	Tower set 23 41± double with 12 70 67
	1 16 W	+17 57	1	7.39	Ko 2-2-2	seeing variable
	1 20 W	+03 41	1-2	7.21	K2 2-2-2	trouble with declination guiding and setting motion. Motor would run for a few moments and something would appear to be jammed by the rear reverse of the motor. Hour telescope could not be moved using the dec. guiding and setting buttons. Managed to get telescope in operation again after moving the long shaft a bit by hand, as directed by Dr. Fay.
	0 17 W	+16 36	1	6.87	F2 2-2-2	



Date Sunday June 25-26 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10150	HD 136936	15 30 1	+2 00	I-25	E103a-J	0.8	+24.8	21 01	22 11	4	7W
10151	153312	16 53 6	24 33	"	"	"	24.8	22 16	23 16	1	3W
10152	179094	19 06 1	52 16	"	"	"	24.6	23 26	00 16	2	5E
	Monday - Friday 6-8, 1944 June 26 - 30 to be worked.										

Focus 23 40+

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
37W	+1 50	0-1	6 66	A3	1½ 1½ 1½	Rage
20W	24 27	0-1	7.36	K0	1½ 1½ 1½	
55E	52 20	1	693	K0	1½ 1½ 1½	

	MC	SC	MT	ST
Jun. 30 WBEN	+01	-49.5	-01.0	+0m.2

Date Friday June 30 - July 1 1944 M-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1151	HD 149484	16 27.4	+25 27	1-25	E-103a-0	2.0 mm	22.8	20 56	22 26	4
1152	154619	17 06.5	+28 35	"	"	"	22.8	22 27	23 37	1
1155	161222	17 28.4	+34 21	"	"	"	22.8	23 41	00 36	2
1156	176339	18 57.5	+29 55	"	"	"	22.1	00 40	02 21	3
1157	199220	20 19.4	+42 40	"	"	"	22.4	02 30	03 18	4
1158	196379	20 31.2	+51 31	"	"	"	22.5	03 22	04 11	1
	Time test on Tide thru back - $7^s - 5^s$									

Light clouds at sunset, cloudy Morning of 8.
Strong N & NW wind
Frost at 23.4° (2.3 deg. for total)

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 11W	+35 21	0-1	7.65 K5	2-2-2	Light clouds [illegible] good
	0 52W	+10 31	0-1	7.47 K0	2-2-2	Light clouds
	1 25W	+31 17	0-1	7.32 F5	2-2-2	too [illegible]
	1 15W	+24 26	1	799 K2	2-2-2	poor
	1 17W	+42 46	0-1	733 K0	2-2-2	
	1 31W	+51 39	1	6.54 F0	2-2-2	[illegible]

T1

Date Saturday 1914 July 1-2 11 - 1c Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10157	HD 154301	16 59.6	+19 50	1 25	E-102-0	.008	+25.7	20 54	22 00	2
10160	147662	16 18.1	+04 42	"	"	"	+25.7	22 [illegible]	22 [illegible]	[illegible]
10161	154391	17 00.1	+60 47	"	"	"	+25.6	22 53	23 23	4
10162	161168	17 30.9	+17 22	"	"	"	+25.6	23 29	00 31	1
10163	183387	19 21.2	+00 02	"	"	"	+25.2	00 41	01 39	2
10164	191372	20 01.5	+61 45	"	"	"	+25.0	01 45	03 [illegible]	3
10165	196642	20 33.6	+37 58	"	"	"	+25.1	03 10	03 52	4
	Stars back of Table Mtn. Beam 7" - 5"									

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0 40 E	+15 45	1-0	7.75 K5	2-2-2	weak
0 53W	+62 53	1-2	7.47 K0	2-2-2	little weak
0 17W	+60 43	1-2	7.24 K0	2-2-2	fine
1 15W	+57 17	1-2	7.56 K0	2-2-2	fine
0 36W	+00 04	1	7.59 K2	2-2-2	both weak seemed to be long way off in right ascension & declination
1 24W	+67 50	1-2	7.91 M4	2-2-2	ok
1 40W	+38 06	1-	7.32 K0	2-2-2	fine

Focus a little too out (tonight)

Date Sunday July 2-3 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
10166	HD 151623	16 43.5	79 06	I-25	E103a-O	008	+26.9	21 10	22 00	1	20 E
10167	153697	16 55.9	65 11	"	"	"	26.8	22 04	22 30	2	00
10168	150429	16 35.9	63 17	"	"	"	26.7	22 35	23 19	3	1 09W
10169	158996	17 27.2	80 13	"	"	"	26.7	23 27	00 03	4	1 05W
10170	160933	17 37.6	69 38	"	"	"	26.7	00 08	00 44	1	1 33W
10171	[179094	19 06.1	52 16	"	"	"	26.5	00 50	01 20	2	39W
	[Focus										

Focus 23.38 unchanged

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
2 00	20 E	79 01	0-1	7.38 - K0	2-2-2	
2 30	00	65 06	1	6.72 F0	2-2-2	
3 19	1 09W	63 11	1-2	762 K5	2-2-2	
0 03	1 05W	80 10	1-2-0	698 K5	2-2-2	
0 44	1 33W	69 34	1	698 F8	2-2-2	
1 30	39W	52 17	1-2	693 K0	2-2-2	
					7-5	

	m.c.	m.t.w. (m.)	s.t.w. (m.)	sc.
July 3	-04·3	+03·1	+0·3	-48·5

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Date Monday, July 3-4, 1944 H-Ma Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
						S-F				
10172	H.D. 153299	16 53.5	+50 13	I-25	E-103a-O	008	+28.0	21 00	22 24 3	9 10
10173	154126	16 58.5	+32 02	"	"	"	+28.0	22 32	0 02 4	33 W

Frames set at 23.36m7 (0.03 longer than 24.1

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Cond.	REMARKS
2 2	0 00	+50 08	1-2	8.05 Ma	2-2-2	Light clouds, especially during first half.
0 02	1 33 W	+31 58	1	7.60 KO	2-2-2	Increasing clouds from about ½ after start. Thick.

	mc.	s.c.	m.t.w.	s.t.w.
Jul. 8/44	-0.57	-47.5	+4.2	+0.3
MTW stopped - reset			-05.s	0.0m

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Date Wednesday 1911 ... 5-6 N - No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10174	HD 179001	19 06.1	+57 16	1-25	E103aO	.008	+27.6	22 37	23 17	1	3E
10175	16 1815	17 42.6	-33 56	"	"	"	+27.5	23 24	01 02	2	56W
10176	198149	19 48.7	+36 11	"	"	"	+27.0	01 30	02 18	3	07W
10177	198181	20 43.5	+52 38	"	"	"	+27.0	02 31	03 45	4	9W
	Some to L - outside the two bars 7s-5s										

bays and wisps of cloud

Focus 23.37± unchanged (checked before each exposure)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
							Set on HD 153226 - clouds on the right.
2 17	1 13 E	+57 20	2-1	6.93	Ko	2-2-2	Hazy - bays and wisps of cloud; good
2 02	56 W	+33 53	1	7.51	Ko	2-2-2	scattered clouds with increasing good
2 18	07 W	+36 16	1-2+	7.33	Ko	2-2-2	haze - steadily steadily 01 30 weak
3 45	40 W	+52 46	1-2	7.43	Ko	2-2-2	delayed start because of haze (very thick) - good
							clearing somewhat 02 30 - quite frequent
							nearby clouds during exposure.

Date Thursday July 6th 1944 H-No Julian Day -7

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10178	HD 154619	17 01·5	+10 25	I-25"	E 103a-O	·008	+29·5	20 55	21 15	1
10179	154319	16 59·7	+69 20	I-25"	"	"	+29·5	22 29	22 37	2
10180	161193	17 39·1	+51 52	"	"	"	+29·4	23 37	0 17	2
10181	166207	18 04·5	+50 49	"	"	"	+29·5	0 22	1 12	1
10182	176707	18 56·5	+50 41	"	"	"	+29·5	1 18	1 41	1
10183	194298	20 19·8	+63 41	"	"	"	+29·4	2 08	2 38	2
10184	204585	21 24·5	+21 45	"	"	"	+29·5	2 55	3 55	3
	Focus Test	outside through base								

Saturday July 8-2/24 - No
sky any hope at 10 P.M. but delayed starting on account
of clouds moving in from N.W. - O.K. by 11 P.M. - set on
11 O's (as 93 but sky filled in & like sitting - still
cloudy 2.30 A.M. Cleared up.

Focus 23.34 a .33 (0.03 longer than last night)

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	0 07 E	+10°30	1-0	7.47	KO	2-2-2	Hazy and light clouds.
	12 W	+69°14	1-2	7.52	KO	2-2-2	
	1 W	+51°52	1-2	7.12	KO	2-2-2	Light haze
	1 W	+50°47	1	7.35	KO	2-2-2	" "
	1 W	+50°44	1-2	7.15	G5	2-2-2	" "
	1 W	+63°30	1-2	7.10	K5	2-2-2	" "
	12 W	+121°56	1-2	7.53	M6	2-2-2	
						8-6	" 9

Date Sunday July 9-10 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10185	HD 154301	16 59.6	19 50	I-25	E1030-O	.008	27.1	21 40	22 50	4	42W

Focus 2338

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
:50	42 W	19 45	0-1-0	7.75	K5	2-2-2	
							Dome very wet - became afraid of drips and closed up.
							July 1/44 mc -093 sc -122 +0.4 +7.6

Property of Lick Observatory

Date Monday July 10-11 H-Ma Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10186	HD 163840	17 53.2	24 01	I-25"	103a-O	.008	28.4	21 57	22 51 1	0 15E
10187	179094	19 06.1	52 16	"	"	"	28.3	23 02	23 46 2	0 23E
10188	172631	19 36.2	30 46	"	"	"	28.0	23 53	0 53 3	1 13W
10189	184786	19 31.0	41 02	"	"	"	29.0	0 59	2 19 4	4H

clouds in early evening slowly clearing after dark.
Focus 23.36-7 (0.04 + Tabular).

...nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 51	0 05 E	24 00	2-1	6.92 GO	2-2-2	Light clouds - thinning.
3 46 2	0 23 E	52 15	2	6.93 KO	2-2-2	Haze
0 53 3	1 13 W	30 45	1	7.45 IKO	2-2-2	"
2 19 4	1 46 W	49 06	1-2	7.54 Mb	2-2-2	increasing clouds last 50 min of exp. closed up at 2.30 because of clouds. 4 bottom brushes, 2 plates in black box.

	HC	SC	MT	ST
July 12	−10.8	−38.8	+09.2	+0m.4

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10190	ND 182 Eros	17 43	+10 [illegible]	[illegible]	[illegible]	[illegible]	+23.5	21 33	[illegible]	[illegible]
10191	W 3925	17 32	+37 [illegible]				+22.5	[illegible]	[illegible]	[illegible]
10192	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
10193	[illegible]	[illegible]	[illegible]				+22.2	[illegible]	[illegible]	[illegible]
	[illegible]									

...ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	...	REMARKS
...	... E.	+4C 03	0	7.C3 Gc	2- 2- 2	Spoiled on plate.
...	...	-37 15	2-1	7 15 Kc	2- 2- 2	Strong
...	... N	+45 1'	-2	... Gc	2- 2- 2	Plate fogged. Too Strong
...	... N	+14 15	1	7 47 Ko	2- 2- 2	scattered clouds thick clouds 1-0-1/5 — Fine and occasional throughout exposure — clouds 1/2-5

Focus good

	M.C.	S.C.	M.T.	S.T.
July 3rd	-22.2	+49.6	+10.5	+14.4

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	2 13 E	+07 12	0-1	7.28	SO	2-2-2	[illegible]
	1 12 W	+09 07	0-1	7.24	RS	2-2-2	
						1° 5°	
	[illegible]	[illegible]	0-1-2	[illegible]	[illegible]	2-2-	[illegible]
	2 3 E	+52 32	1-2	7.2	[illegible]	2-2-2	[illegible]
	4 W	12 1 14	0-1	7.12	Ma	2-2-2	Scattered clouds - [illegible]
	1 25 W	+05 17	0-1-2	7.30	KO	2-2-2	[illegible]
	22 W	+29 47	2	7.47	KO	2-2	[illegible]

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10201	HD 136 [illegible]	7 13	+21 [illegible]	1:25	[illegible]	[illegible]	+25 [illegible]	20 46	21 50.4	[illegible]
10202	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	+25 [illegible]	21 57	22 45 .1	[illegible]
10203	161832	17 42.7	+39 22.	"	"	"	+38 [illegible]	[illegible]	[illegible]	[illegible]
10204	[illegible]	[illegible]	[illegible]	"	"	"	+29 [illegible]	[illegible]	[illegible]	[illegible]
10205	179001	19 [illegible]	+52 16	"	"	"	+24 9	00 27	[illegible] 53	[illegible]
10206	171178	20 03 [illegible]	+16 24	"	"	"	+24 [illegible]	00 59	02 13 .1	[illegible]
10207	HD 212 [illegible]	21 [illegible]	+41 50	"	"	"	+24 9	02 18	[illegible]	[illegible]
10208	171236	21 03	+56 [illegible]	"	"	"	+24 9	03 43	04 57	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]						

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 07 E	+22 08	0-1	7.60	K2	2½-2½-2½
	0 00	+22 18	0-1	7.45	K5	2½ 2½-2½
	1 05 W	+11 19	1-2	7.56	K0	2½ 2½-2½
	1 10 W	+49 41	1-2	7.51	K0	2½-2-2
	1 00 W	+52 20	1-2	6.93	K0	2-2-2 * Emmy
	1 22 W	+16 30	1	7.62	M0	2-2-2
	1 35 W	+42 01	1	7.60	K2	2-2-2 very windy - hazy
	1 53 W	+36 10	2+	6.46	E0	2-2-2 "
						focus ok

Date Saturday July 15 1944 No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
10208 B-F	H.D. 179094	19 06.1	+52 16	1-25°	E 103-0	.008	+25.7°C	20 45	21 00
	Focus test outside the numbers 7.5-5.8								
10209	H.D. 179094	19 26.1	+52 16	1-25°	E 103-0	.008	+24.1°C	21 45	22 27
10210	259360	21 [illegible]	+17 29				+9.9.1	22 32	[illegible]
	Focus test outside the numbers 7.5-5.8								

Focus set 23.37±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	~ 4 E	+52 20	2-1-0	6-93 Ko	2-2	clouds moving in rapidly from N.W! - star gone 1h 00 ... sky cleared after showers at 11 P.M. - thin smoky clouds
	2 39 W	+52 20	1-2	6-93 Ko	2-2-2	[Focus set 23.40 E] walking of just to third magnitude stars to be seen.
	1 53 W	+17 40	0	7-54 Ks	2-2-2	sky improving considerably 01.30 - dome quite dry - no water around. to bed pm.

Date Sunday July 16-17/44 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
10211	HD 156697	17 14.0	+6.11	I-25	E103a-O	.008	23.0	20 45	21 55 3
10212	162+68	17 46.1	11 59	"	"	"	23.9	21 59	23 09 4
10213	178+62	18 35.0	7 16	"	"	"	22.7	23 13	00 13 1
10214	176+70	18 01.1	9 16	"	"	"	22.5	00 18	01 08 2
10215	191+74	20 01.7	20 51	"	"	"	22.6	01 15	02 05 3
	1. Focus test								

12" = Four tubes on the outside top of the

Focus set 23.41 ±

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	01 W	6 06	0	6.72 FO	2-2-2	image 15" diam
	42 W	11 55	0	7.42 K2	2-2-2	" 10" " 6"
	57 W	7 16	0	7.36 KO	2-2-2	
	1 23W	52 18	0	6.98 KO	2-2-2	
	1 19W	20 55	0-1	7.16 KO	2-2-2	
					7-5	

	M.C.	S.C.	MTW	STW
Jul. 17	−14ˢ.6	−31ˢ.1	+17ˢ.2	+0ᵐ.5

Date Monday July 17 19 1944 H-M-S Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
10216	+D 179094	19 06.1	+52 16	I-25	[illegible]	[illegible]	+24 0	22 41	23 31 4	
10217	179127	19 53.4	+57 01				+24 0	23 39	0 38 1	
	[illegible]							[illegible] 33		
10218	192535	20 11.3	+43 04	"	"	"	+23.9	0 45	1 19 2	
10219	198236	20 43.9	+19 23	"	"	"	+23.8	1 54	3 14 3	

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0 10 W	[illegible]	0-1	7.19	K2	2-2	
						2-2	
11	0 3 4 W	+43 12	1-2	7.32	K2	2-2-2	clouds clearing.
1	1 56 W	+69 30	2-1	7.52	K0	2-2-2	trouble in finding star. more clouds & haze

Date Tuesday July 18-19 Y- Ma **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10220	HD 157967	17 21 4	17 00	I-25	E103a-O	008	+24.5	20 45	21 45 4	E
10221	" 179294	19 061	52 ~~20~~ 16	"	"	"	24.2	21 52	22 30 1	E
10222	" 164928	17 560	78 20	"	"	"	24.3	22 39	23 35 2	W
10223	" 162826	17 479	40 05	"	"	"	24.	23 40	00 ~~24~~ 16 3	W
10223F	Focus.									
		5 Plates								

Focus unchanged.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
8m E	16 57	0-1	764 Mo	2-2-2	
07 E	52 20	0-1	693 MO	2-2-2	
11 W	78 22	1-0	756 K5	2-2-2	
57 W	40 01	1-0	708 GO	2-2-2	clouding up from west - looks to me over for night
			~~779 Ma~~	7-5	

There are new batteries for [illegible] on desk in my office

Jul. 19-20 thermometers

	MC		M W	S
July 20th	-16.5	-7.2	+21.0	+0.20m

Date Thursday July 21 1910 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle
10224	HD 179[illegible]	19 06	+52	I-25	E-103a-D	2mm	+20 C	1 39	1 49	1	1 50
10225	179739	19 41.5	+56 07				19.8	1 28	2 53	2	55
10225F	Focus									3	
			3 plates.								

Hour Angle final

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1 50W	+52 19	D	[illegible]	2-22	
	1 55W	+56 16	1-0	7-59 Ma	2-2-2	cloudy in last half
					7-5	completely clouded in - closing up.

Date Sunday 1944 July 21-22 N-N **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10226	HD 159926	17 32.2	+28 14	I-25	E-103a-O	Cut .008	+21.1	20 51	21 59	4
10227	160677	17 36.0	+31 15	"	"	"	+21.0	22 03	23 37	1
10228	164811	18 09.4	+30 26	"	"	"	+20.5	23 01	24 02	2
10229	164021	18 36.4	+28 13	"	"	"	+20.3	00 02	00 [illegible]	[illegible]
10230	183217	20 00.0	+40 24	"	"	"	+20.3	0 [illegible]	01 43	[illegible]
10231	196610	20 30.1	+17 45	"	"	"	+20.3	01 47	03 17	1
10232	212160	22 12.1	+16 00	"	"	"	+20.7	02 23	04 07	2
	Star tail - tried at Bad				γ^5-5^0					

Focus at 22.7±

Reading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 07W	+28 12	1-2	7.66	K5	2/2 2-2 observed plunger shift movement after Separation started. Changed to setting 2.
	1 [illegible]	+31 2	2	7.65	M2	2-2-2
	1 34W	+20 24	2	7.71	K2	2-2-2 fairly steady with occasional jiggy
	[illegible]	+22 18	2	7.57	K5	2-2-2
	1 10W	+22 34	2	7.52	K2	2-2-2
	2 24W	+18 21	1	7.42	K2	2-2-2 optical double
	1 32W	+26 11	1	6.66	A0	2-2-2 just strong!

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Date Saturday, 1941, July 22-23 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10232	H.D. 159[illegible]	17 2[illegible]	+14 55	1-25"	E-103a-O	out .098	+23.5°C	20 40	21 50 3	
10233	[illegible]	[illegible] 31	+13 31	"	"	"	23.8	21 53	22 47 4	
10234	[illegible]	17 1[illegible]	+23 15	"	"	"	23.8	22 50	00 [illegible] 1	
10235	186121	17 27[illegible]	+42 50	"	"	"	23.6	00 10	00 58 2	
10236	172273	20 14[illegible]	+12 56	"	"	"	23.1	01 02	01 36 3	
10237	206141	21 3[illegible]	+11 08	"	"	"	23.5°	02 10	02 38 4	
10238	215257	22 48[illegible]	+37 37	"	"	"	23.5°	02 38	03 15 1	
10239	217[illegible]	22 52[illegible]	+20 15	"	"	"	23.6	03 01	03 30 2	
10240	3536	00 36[illegible]	+45 36	"	"	"	23.6	03 46	04 00 3	
	Error test - tube thermometer "45"									

...nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
						Transit 23:40 E
	0 04 N	+14 52	2	8.61 Mb	2-2-2	hazy at zenith
	0 54 N	+43 30	1-2	7.67 Ko	2-2-2	
	37 W	+23 15	1-2	7.90 Ks	2-2-2	
	22 N	+42 56	2	7.74 Mc	2-2-2	
	36 N	+13 21	2	7.86 Mc	2-2-2	
	4 N	+22 13	2+	7.12 Ko	2-2-2	
	ME	+22 10	2	6.23 Ao	2-2-2	getting!
	31 N	+33 35	2	7.80 Kz	2-2-2	
	57 E	+60 -7	2-3	6.70 Bc	2-2-2	
						From Lick Observatory

Date Sunday July 23 24 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10242	HD 163734	17 47.4	15 22	I-25"	E103a-O	008	26.0	22 13	22 43	1	- V

clear all day - clouding at sunset
Still raster thick at start.

Focus 23.39 ±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
1 43	42W	15 18	0-1	7.54 KO	2-2	huge.
						N E E S W
						-4.3 -4.1 +2.7 +2.5

Date Saturday July 29-30 1904 4-AM Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11243	P [illegible]	19 31.9	+31 33	T-25	[illegible]	Cut 25	22.4	20 34	21 37	
	Same Field									
11244	157259	19 [illegible]	+12 [illegible]	"			22.4	21 43	[illegible]	
11245	195111	19 51.4	+32 21				21.7	22 7	[illegible]	
11246	184934	19 31.4	+31 25				23.3	22 51	1 29	
11247	182[illegible]	19 [illegible]	+31 17				23.[illegible]	23 32	1 54	
11248	20[illegible]63	20 57.1	+01 54				22.9	1 09	1 59	
11249	210927	22 22.1	+30 20	"	"	"	22.7	2 05	2 45	
11250	214243	21 32.1	+12 [illegible]		"	"	22.7	2 53	4 04	

Focus at 23.41

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	0 0 E	+21 17	1-2	7.42	K0	2-2-2	Light [illegible]
						1-2"	
	47 W	+16 16	1	7.94	K2	2-2-2	
	51 E	+2 20	1	[illegible]		2-2-2	
	1 W	+1 00 *	1-2	7.51	K2	2-2-2	Def. star? Test Dec. to check [illegible]
	01 W	-0 [illegible]	1-2	[illegible]		2-2-2	
	30 W	+02 05	1	7.20	G5	2-2-2	slight trace condensation on long-exposure shutter for 10"
	17 E	+21 22	1-2	7.33	K2	2-2-2	
	23 W	+12 12	1-2	7.71	K5	2-2-2	clearing
							July 25 WBEN MT 5 05

Date Tuesday July 25-26 Y- Ma **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
10251	HU 167334	17 47.4	41 5 22	I-25	E103a-O	008	+25.0	20 33	21 23
10252	167304	18 09.8	41 08	"	"	"	25.0	21 28	22 04
10253	164428	17 56.0	78 20	"	"	"	25.0	22 11	22 43
10254	164780	17 57.7	75 10	"	"	"	24.9	22 47	23 21
10255	174:05	18 44.3	70 41	"	"	"	24.9	23 34	00 [illegible]
	Focus	[illegible]	[illegible]						
10256	193611	19 26.3	62 21	"	"	"	24.9	00 10	00 50
10257	192436	20 45.1	61 23				24.7	1 00	1 30
10258	213244	22 22.4	62 34				24.7	1 47	2 27
10259	2964	00 25.3	72 26	"	"	"	24.6	2 19	2 51
10260	4295	00 40.3	63 47				24.7	2 [illegible]	3 51
10261	6480	01 00.7	64 22	"	"	"	24.7	3 10	4 14
		Wednesday July 26-27							
		Clear, cool & lightning					N		

S.S watch appreciably +0.8

Focus 23.40

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
30 E	+15 20	1	7.5+	KO 2-2-2	
11 E	41 10	2	7.36	KO 2-2-2	Bad Transmission!
46 W	78 20	2-3	7.56	KS 2-2-2	
21 W	75 11	2	7.44	KO 2-2-2	
17 W	70 44	2	7.63	K2 2-2-2	?
				7-5-	?
1 31 W	+2 27	2-1	7.64	KS 2-2-2	
2 46 W	19 32	1-2-3	7.52	KO 2-2-2	
2 22 E	60 47	3	7.38	KO 2-2-2	
2 51 E	70 40	3	7.36	AO 2-2-2	
3 ??	69 52	3-2	7.76	F2 2-2-2	
2 31 E	+4 40	2-3	7.98	F2 2-2-2	clouds in N.E. - scattered to S.
					m.c. 3c.
					July 21/44 -20+ -170 -11.0 +0.1

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Date Thursday July 27 or 28 1944 H-U a Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11262	HD 161815	17 42.6	-38 56	I-25	E-103a-O	2.1' COY	25.0	2 26	3 04 1	
11263	"	17 11.1	-43 22	"	"	"	25.0	3 08	2	
11264	Sun									
11265	HD 213751	21 10.1	+16 47	"		"	23.7	0140	2 15 3	
			+11				23.7	0225	3 25	
11266	NL 7229	23 02.0	9 52	"		"		3 32	3 44 1	
			"	"		"	"	345	4 01 1	

Clouds - [illegible]

Com water-drop stain on mirror D.

Focus not changed 2" 42

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
0 35 E	+37 [illegible]	2-1	7.5	K0	2-2-2	[illegible]
	-02 -2		7.6	K5	2-	Clouds 21h - Hud. Brought on [illegible]
					7.5°	Letting [illegible] Clouds clear 21h 5m [illegible]
						[illegible]
						Set Hd 23m Hud [illegible] Thompson 21h-22h
						Focus 2.343 (Hud 5)
1 35 W	10 59	2-1	7.50	K5	2-2-2	[illegible] clouding in by [illegible] ground mist
2 25 W	7 57	2	8.0	Ma	2-2-2	
4 47 W	7 26	2	6.1	Ma	4-4	setting 3 30 [illegible]
1 [illegible] W	"	2	"	"	4-4	setting 2 [illegible]
						m.c. s.c. m.c. I.T.
						July 23/11 +4.2 -1.42 -2.52 0.0

Date Friday July 27 29 No Mo. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10266	H.D 201298	21 03.5	6 36	I - 25	103a-O	.005	23.2	1 03	2 03 | 1	17 W
10267	200430	20 37.2	14 20	"	"	"	23.0	2 08	3 18 | 2	
10268	No 3315	22 05.0	11 24	"	"	"	23.0	3 27	3 51 | 3	
	Go Region	"	"	"	"	"	"	3 52	4 22 | ?	
10269	Test								4	

Focus 23.41

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	1 07 W	+5 46	1-2	7.56	K5	2-2-2	haze mist. Delayed starting as dome pointed west - considerably down by 1:30 dropping
	2 27 W	14 30	1-2	7.23	Ma	2-2-2	
	0 40	+12 00	1-2	6.3	K2	4-4	30% 24 hour dec. setting 5
	1 11	"	1-2		"	4-4	6:2 Thick mist around dome. dropping 1
						7-5	mist going somewhat.
							Plate in holder #23 may be fogged as I left the door open and had the dome lights on while I was in the middle.
							Saturday July 27-30 - cloudy all night with occasional short breaks. Dome always before dawn. No.

Cloud, [illegible] - [illegible]
1130 - [illegible]
dome - [illegible]

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Filt	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

June 27, 40

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	16 E	+44 09	3-1	7.24 N2	2-2-2	
	07 W	+42 22	2	7.66 N0	2-2-2	
	45 W	+57 21	1-1-1	7.84 N0	2-2-2	
	20 W	+79 30	2	6.16 A2	2-2-2	
	33 W	+41 12*	2-1	7.21 A0	2-2-2	
0	31 W*	+52 04*	2-0	7.17 A0	2-2-2	
	47 W	+31 10	1-2	6.62 M0	2-2-2	
	21 W	+41 [illegible]	1-2	7.72 M0	2-2-2	
				7.5 M0		
			1	7.7 F2	4-4	
	15 W		1			
			2	7.2 K0	4-4	
	04 W	+42 28	2			
	37 W	+41 13		6.2 K2	4-4	
					4-4	
	47 E	+45 27	2	6.58 A2	2-2-2	

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		Monday July 31 - 1944 Ma								
11292	110 162 113	17 44.3	+2 00	I-25	E-103a-D	008	26.5	20 49	21 33	2
11293	172953	17 37.9	+21 31	"	"	"	26.6	21 42	22 00	3
11294	176141	18 [illegible]	22 40	"	"	"	26.4	22 05	22 49	1
11295	172744	19 57.1	40 33	"	"	"	26.4	22 55	23 52	1
11296	136377	19 31.9	47 37	"	"	"	26.4	24 00	24 22	2
11297	172776	19 24.4	40 53	"	"	"	26.3	24 26	01 02	3
11298	191134	20 30.3	41 25	"	"	"	26.5	01 01	01 32	4
11299	193220	20 [illegible].3	51 39	"	"	"	26.5	01 37	01 [illegible]	1
11300	197121	20 36.4	[illegible] 59	"	"	"	26.3	01 59	02 19	2
11291	[illegible] 7234 Lynds	23 05.5	42 00	"	"	"	26.5	02 [illegible].4	[illegible]	3

nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
							N.C. S.C. M.W. S.W.
							-2.8 -27.1° -4.7° -.37m
							Focus 23.38
	0 07 W	+2 00	1	7.46	Ko	2-2-2	few clouds in west & North but breaking
	0 29 E	31 34	1-2	6.47	Ao	2-2-2	up.
	0 11 W	22 46	2	7.76	Ma	2-2-2	
	0 43 W	40 37	1-2	7.12	Ma	2-2-2	Made mistake in spelling necessitate, put in 45
	1 10 W	43 04	2-3	6.84	As	2-2-2	
	1 33 W	44 36	2-3	7.79	Ma	2-2-2	
	1 20 W	41 35	2-3	7.4	Ko	2-2-2	
	1 43 W	52 09	3	1.27	Ko	2-2-2	
	2 12 W	55 49	3	6.78	Ic	2-2-2	
		43 16	3	1.2	Fo	4-4	Yellow 5 2 7. 12 min
	0 34 W					4-4	9 5 7. 16 min

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Date Monday July 31-1 1944 Ma (=m72) Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle
10292	BAC 3976 7259 Focus Test	23 02.5	5 37	I-25	E-103a-0	008	26.3	23 00	23 12	4 4	
10293	HD 15253	02 22.3	55 52	"	"	"	26.4	23 27	23 43	1	
10294	HD 15328	02 25.1	1 31	"	"	"	26.4	23 50	24 02	2	

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	56 34	3	6·7 H2	4-4	30% setting 3
				7-5	" 8
2 21E	55 18	3	6·62 A2	2-2-2	Slipped slightly in holder
1 45E	1 45	2-3	7·4? H0	2-2-2	

discard plate in holder no 4 as spotting is faulty.

DISCARDED

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Date Tuesday August 1-2/44 No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	
10295	HD 161178	17 37.0	+72 31	1-25	E103-0	1008	+27.6	20 28	21 04	1	
10296		18 46.0	+10 52	"	"	"	+27.6	21 10	22 34	2	
10297		19 34.0	+20 34	"	"	"	+27.6	22 38	23 20	3	
10298		19 56.2	+08 17	"	"	"	+27.5	23 32	00 14	4	
10299		19 39.0	+36 56	"	"	"	+27.3	00 07	00 37	1	
10300		20 21.5	+19 31	"	"	"	+27.5	00 42	01 11	2	
10301		20 56.1	+22 33	"	"	"	+27.5	01 49	02 41	3	
10302		23 03.2	+18 45	"	"	"	+27.3	02 48		4	
		"	"	"	"	"	"		03 37	5	
10303		23 12.1	+52 40	"	"	"	+27.3	03 17		1	
		"	"	"	"	"	"		03 37	1	
10303F		Some test - Look thru base					4.5-5.5			2	

...ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
						Transit 23 36±	
	0 10 E	+ 72 23	1-2	6.96	Ko	2-2-2	hazy Corrector at S.T.W. -.5m.
	0 10 W	+10 56	1-2	770	K_2	2-2-2	" telescope at N end and adjusting
	0 08 W	+ 28 41	2-3	7.50	Ko	2-2-2	" clouds — thickening to Northward
	0 31 W	+ 03 28	2	7.15	K_2	2-2-2	hazy getting thicker
	0 03 N	+ 36 58	2-3	739	Ko	2-2-2	
	1 15 N	+ 12 43	2	7.47	Ko	2-2-2	Thin haze
	2 04 W	+ 02 45	2	7.55	Ko	2-2-2	clearing rapidly
		+ 1 00	2-3	6.1	Fo	4-4	5 Trans 1 84 mm.
	0 26 W			"		4-4	" 8 10.5 mm.
		+ 52 57		6.2	Fs	4-4	" 3 9.0 mm
	0 45 N					4-4	" 8 11.3 " — hazing in rapidly. Let up Fog & sky fairly in completely.
							M.C S.C
							-.95 +.83
							M.C Ko K2 M-F. F-S
							Aug 3/47 -.32 -.13 -.07 +.13

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

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Date Thursday August 3-4 1944 Ma Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10317	Algol	3 11.0	40 49	I 25	F118-0	.65T	+30.7	2 04 6		
10318	HD 18331	19 41.6	50 47				+31.2	23 59	00 21	
10319	19 Cyg	20 43.3	33 12				+31.2	00 45	01 09	
10320	[illegible]	21 20.8	21 [illegible]				+31.0	01 14	[illegible]	
10321	[illegible]	22 11.3	23 04				+31.0	02 07	[illegible]	
10322	[illegible]	22 34.7	51 17				+31.0	02 32	03 56	
10323	[illegible]	02 [illegible]	10 [illegible]				+31.1	03 08	02 26	
10324 F	Fomal						+31.2			

Lucas 23.25

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	W	60 46		7.0	FO	4-	Tube blk with guiding bellows only ½ exp completed. Failure of arc lock & arcs & cleared arcs and readjusted w-bd
	10 W	56 58	3	7.17	45	6	
	24 W	37 14	3	7.34	45	2-2-2	
	17 W	32 30	3	7.5	1<5	4-4	
	4 W	32 13	2-3	6.8	F3	4-4	
		56 20	3	6.9	M6	4-4	
	11 E	15 11	3	6.9	M6	4-4	
						7-5	

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle E.S.
10327	[illegible]	[illegible]	[illegible]	1-25"	[illegible]	[illegible]	+43 +18	23 57	[illegible]	
[illegible]	19161	21 33	+20 51	"	"	"	+36	01 36	[illegible]	
	[illegible]					1-5				
10326	[illegible]	21 36	+10 15	"	"	"	+33	[illegible]	[illegible]	
								02 55	03 [illegible]	
10327	[illegible]	21 12	+16 -2	"	"	"	+31	03 29	04 21	

Setting [illegible] August 5-6, 1944 H

Clouds all evening [illegible] [illegible] clear at midnight. Cloudy [illegible] [illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	2 [illegible] W	+22 48	1-2	7.55 Pg	2-2-2	[illegible]
	3 32 W	+52 32	2	6.55 Pg	2-2-2	[illegible]
	[illegible]					
	3 [illegible] W	+42 [illegible]	2	5.6 Pg	4-4	18 min [illegible] Pg.
	1 [illegible] W	" "	2	"	4-4	14 min
	[illegible]	+42 [illegible]	1-2	7.1 Pg	2-2-2	[illegible]

Date Sunday August 17 1924 Mt. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10388	H.D. 163840	17 53.2	24 01	I-25	E-103a-D	.008	24.4	20 32	21 14	1
10389	170094	19 06.1	32 16	"	"	"	24.6	21 21	22 01	1
10390	171918	19 42.9	24 53	"	"	"	24.4	22 15	23 05	1
10391	173264	19 34.4	30 01	"	"	"	24.3	23 12	23 54	1
10392	194937	20 23.2	09 07	"	"	"	24.5	00 02	00 53	2
10393	[illegible]	21 25.4	23 12	"	"	"	24.5	01 09	01 51	2
10394	[illegible]	22 41.3	21 02	"	"	"	24.4	02 10	02 51	1
10394-F	Focus									
10395	[illegible]	23 24.4	22 51	"	"	"	24.4	03 40	04 01	1
10396	H.D. 11537	01 43.3	3 11	"	"	"	24.4	03 03	03 37	1
10397	20163	03 15.4	42 08	"	"	"	24.3	04 04	04 32	1

Focus 23.41

nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	2 53 W	24 00	0-1	6.92	K0	2-2-2	hazy.
	2 22 E	52 22	1	6.93	K0	2-2-2	binary
	0 05 W	25 01	0-1	6.88	F0	2-2-2	[illegible]
	1 25 W	50 05	1	7.41	G5	2-2-2	high clouds coming in from W.
	1 [illegible] W	01 17	1	7.26	K0	2-2-2	[illegible]
	0 44 W	23 24	1	[illegible]	K0	4-4	[illegible]
	1 67 W					4-4	
		23 17	1	5.1	[illegible]	4-4	
	2 [illegible] W					[illegible]	
						7-5	
	2 [illegible]	23 66	1-2	5.2	[illegible]	4-4	
						4-4	
	0 3 E	3 24	2-1	6.71	G5	2-2-2	Blew a fuse on the clamp motor [illegible]
	5 4 E	42 20	1-2	6.14	G5	2-2-2	replaced with the Warner fuse (working)

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Date Monday Aug 7 8/44 No. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10338	H.D. 185622	19 [illegible]	+16 21	1-25	E103-0	.008	+21.6°C	21 56	23 20	
10339	153 Aql	19 [illegible]	+00 21	"	"	"	+24.5	23 27	[illegible]	
10340	19 [illegible]	20 [illegible]	+00 [illegible]	"	"	"	+24.6	23 53	[illegible]	
10341	19 [illegible]	[illegible]	[illegible]	"	"	"	+24.6	00 [illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	+24.2	02 09		
									[illegible]	
10342	[illegible]	[illegible]	[illegible]	"	"	"	+24.3	02 40		
									[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	+24.2	03 18		
									03 29	
10343	[illegible]	03 3	+13 50	"	"	"	+24.3	03 44	04 [illegible]	
	[illegible]									

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
0 31 W	+16 27	1	7·76	K5	2-2-2	From unchanged (12 +17)
0 47 W	+12 10	1	5·57	A0	2-2-2	hazy
1 19 W	+00 04	1	6·11	A0	2-2-2	"
2 13	+00 28	1	6·53	A2	2-2-2	"
1 11 W	+07 58	1	5·6	K0	4-4	13 8 min.
1 49 W		1	"	"	4-4	17 2
2 11 W	+07 42	1	5·9	K0	4-4	" " 16 6
1 [illegible] W	"	1		"	4-4	15 2
1 41 W	+06 12	1-0	5·2	K0	4-4	9 2
1 29 W	"	1-0	"	"	4-4	12 4
1 31 W	+07 17	1	6·6	K5	4-4	
						From UK (out of focus)
						Avg. M.C. -1' -1' -1·5' +1'

Date Sunday August 8-9, 1944 T Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10346	HD 178137	19 22.9	+12 44.1	2-35	103a-D	2.9	+21.7	20 32	21 23	4
10347	184786	19 [illegible]	[illegible]	"	"	"	+21.5	2 55	3 46	1
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	2
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]

nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

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Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1 2574	[illegible]	17 11·6	36 55	[illegible]	[illegible]	[illegible]	28·0	21 30	21 32	
	"							21 36	21 42	
	"							21 48	22 [illegible]	0 49 W
1 0 257	HD 179196	18 04·0	32 16				29·0	22 12	22 12	
1 0 257	[illegible]	18 24·0	32 [illegible]				28·0	23 17	23 37	
1 0 257	[illegible]	18 47·2	32 23				27·1	23 03	[illegible]	
1 0 300	[illegible]	21 54·1	32 13				25·0	24 15	[illegible]	
1 0 301	[illegible]	21 [illegible]	31 [illegible]			—	27·4	[illegible]	[illegible]	
1 0 [illegible]	[illegible]	[illegible]	[illegible]				25·0	[illegible]	[illegible]	
1 0 [illegible]	[illegible]	[illegible]	34 51				27·9	02 40	[illegible]	
								02 [illegible]	[illegible]	
1 0 314	HD [illegible]	02 [illegible]	33 41				28·0	03 29	[illegible]	
	[illegible]	[illegible]	[illegible]							

Focus 23.3b

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0 37	0 47 W	36 55	1	4·6	4 – 4	Alt. Neg Prog. Tm. 7.4 mm
0 48					4 – 4	9.2 mm
1 02	0 49 W				4 – 4	17.6 mm
3 12	0 00 E	52 22	1-2	1·9? Ho	2-2-2	Binary
3 57	0 06 E	70 14	2	1·24 G2	2-2-2	
4 11	1 18 W	37 42	2-3	2·5? Ha	2-2-2	
4 44	0 32 W	3 30	2-3	1·? Ha	4 – 4	22 min
1 17	0 17 W	4 33	2-3	1·8 Ha	4 – 4	
1 25	1 03 W	11 26	2-3	2·1 F5	4 – 4	
2 35	0 25 E	35 01	3	6·4 45	4 –	15 min
3 14					4 – 4	17 min
4 28	E	55 54	3-2	7·50 Ha	2-2	

Date ..... **Julian Day** .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
10365	No 61, A. 0448	17 [illegible]	[illegible] 47	1-25"	E103a-0	.008	+30.0°C	20 21	21 33	
10366	5482, 36 [illegible]	[illegible] 33	[illegible] 22	"	"	"	+30.0	21 38		
	"	"	"	"	"	"	"		21 05	
10367	No 5548 x [illegible]	17 22	[illegible] 41				+30.0	22 12		
									22 39	
10368	No 6768 [illegible]	17 27	[illegible] 23				+30 0	22 45	[illegible]	
10369	No 6790 [illegible]	21 17	[illegible] 14				+23 7	00 52	01 58	
10370	No 6854 [illegible]	22 [illegible]	[illegible] 32				+29.8	02 [illegible]	02 [illegible]	
	[illegible]									

nding Time E.S.T.	H. ∠	δ	Seeing	Ptg. Mag.	Comp.
	1 18 W	+60 48	2	7.0	F_0 4-4
	0 23 N	+64 25	1-2	5.3	F_2 4- 4
	0 51 W	" "	1-2	"	" 4-4
		+72 45	1-2	4.3	F_8 4-4
		" "	1-2	"	" 4-4
	1 13 W	" "	1-2	"	" 4-4
	2 14 W	+58 29	1-2	7.7	K_0 4-4
	1 13 N	+60 26	1	[illegible]	[illegible] 4-4
	1 57 N	+49 46	1	[illegible]	K_5 4-4

Remarks!

Forecast 23:30 ±

Ag mag hazy. - Hazy, fair
" 11.4 min. hazy, letting
" 15.2 min. " fair
" 5.4 " " fair
" 7.2 " " fair
" 3.0 " "
very hazy - thin misty cirrus
very hazy
very hazy
little wind

Δ g 11/44 −10.2 +14.1 −11.1 +0.13

Date Friday Aug 11/12 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10371	HD 187978-9	19 215	+7 41	I-35	Eastman-D	0.08	31.0	20 34	21 00	
10372	160781	367	6 22	"	"	"	30.9	21 05	21 35	
10373	174359	18 451	24 56	"	"	"	31.0	21 39	22 03	
10374	175743	517	17 59	"	"	"	30.9	22 07	22 29	
10375	184102	19 278	79 24	"	"	"	30.6	22 38	23 54	
10376	187764	466	65 11	"	"	"	30.8	23 00	23 20	
	Same	"	"							

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	41 W	7 41	2-1	5.98 A2 E	2-2-2	Comp Focus unchanged. 23.30
	1 01 W	6 21	11-2	6 98 Ko	2-2-2	
	19 W	24 58	1-2	6 56 A0	2-2-2	
	3 9 W	18 01	1-2	6 79 K2	2-2-2	
	32 W	79 29	1-2	6 c6 A2	3-3	
	37 W	68 16	1-2	6 63 F0	3-3	cloud over.
					7-5	

Date Saturday Aug 12-13/24 No. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
10377	HD 171567	18 46.0	+10 52	1-25"	E-103a-O	~~1.5~~ 2.5	+30.1°C	20 11	22 56	3	
10378	184786	19 30.0	+9 02	"	"	"	+30.0	23 00	00 04	1	
10379	191697	20 04.4	+9 33	"	"	"	+30.1	00 38	01 19	1	
10380	202314	21 32.4	+12 30	"	"	"	+30.1	01 18	01 36	1	
10381	203924	21 38.5	+15 19	"	"	"	+30.2	01 42	02 00	1	
10382	2,913 00	273	+06 25	"	"	"	+30.2	02 06	02 24	1	
10383	11-37	01	+13 11	"	"	"	+30.3	02 32	02 52	1	
	Same test - [illegible]					7.5-5.5					

Sunday - very hazy - till midnight -
and dried rather [illegible]

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
							Focus unchanged @ 3:30 E
	L 15 W	+10 57	0	7.70	K_2	2-2-2	Fog, clearing only part of sky
	L 40 W	+47 10	1-0	7.54	Mb	2-2-2	
	L 1 W	+51 43	1	7.63	Ma	2-2-2	
	L 14 N	+49 44	1	5.76	A0	2-2-2	Get strong!
	L 33 W	+05 34	1-2	6.58	F0	2-2-2	Foggy here!
	L 56 E	+06 41	1-2	5.66	G0	2-2-2	Get strong!
	L 35 E	+03 26	1	4.75	Em	2-2-2	
							Calgon: 11.7 12.4 11.3 10.2

Date Monday Aug 14-15 1944 Ma Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10334	HD 176781	19 01 [illegible]	[illegible]	I - 5	I 103a-O	.008	30.5	20 32	21 30	[illegible]
10335	HD 187	19 53 [illegible]	[illegible]				30.5	22 14	22 52	[illegible]
10336	HD 165	[illegible]	[illegible]				30.5	22 40	23 40	[illegible]
10337	187812	20 [illegible]	[illegible]				30.5	23 44	00 52	[illegible]
10338	219181	20 [illegible]	[illegible]				30.4	00 39	01 01	[illegible]
10339	[illegible]	[illegible]	[illegible]				30.2	02 16	02 46	[illegible]
10340	[illegible]	[illegible]	[illegible]				30.4	02 55	03 10	[illegible]
	Same Test. Cloudy Through Most									
10341	HD 133	02 49 [illegible]	[illegible]				30.4	03 23	03 47	[illegible]
10342	[illegible]	[illegible]	[illegible]				30.3	03 56		

Clouds on West horizon clearing - hope

Focus 2332

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
: 14	: 5 25	1-2	7.69	Ka	2-2-	lightening To south. few scattered clouds
0 07E	58 06	3	7.14	Ko	2-2-2	
0 24	15 22	2	7.91	Ma	2-2-2	
1 23 W	17 53	2	7.58	Mb	2-2-2	
2 16 W	02 42	2-3	7.55	Ko	2-2-2	
2 23E	55 20	2-3	6.62	A2	2-2-2	
2 06E	45 31	3	7.07	Ko	2-2-2	
					75°	
1 46 E	31 04	3	7.70	K5	2-2-2	
E	64 06	3	7.75			

Sunday Aug 15-16/14 — No

										Hour Angle End
10 14 44	[illegible]	21 340	+48 37	-2.5"	E/C 3.0		+30.8°C	20 14	20 31	
	"	"	"	"	"	"	"	20 41	21 21	
11 39 2	[illegible]	18 190	+49 04	"	"	"	+30.9	21 25	21 41	
	"	"	"	"	"	"	"	21 41	22 07	
10 31 4	HD 184854	19 314	+10 55	"	"	"	+30.9	22 12	22 28	
11 31 4	no 184958	20 033	+2 36	"	"	"	+30.3	23 28	23 42	
	Same but [illegible]			Same + 2.5 - 5.0						
11 47 2	[illegible]	21 132	+47 15	"	"	"	+30.8	23 39	00 10	
	"	"	"	"	"	"	"	00 40	01 01	
10 31 1	[illegible]	21 220	+44 34	"	"	"	+30.7	01 05	01 26	
	"	"	"	"	"	"	"	01 26	02 05	
11 1 2	[illegible]	13 209	+61 44	"	"	"	+30.7	02 12	02 30	
	"	"	"	"	"	"	"	02 30	03 00	
11 47 1	HD 1925	21 135	+72 43	"	"	"	+30.7	03 12	04 [illegible]	

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
						Focus at 23.28 ±
2	0 26 W	+13 38	1-0	6.5	K0	3-3	Image - double [illegible] value ± 25%
2	0 06 W	" "	1	"	"	3-3	1/4 time flipper out + 3/4 in [illegible]
2	0 11 W	+14 05	1-2	6.4	Ma	3-3	Image clearing away (Tab value ± 25%) ± 25%
2	0 01 W	" "	1-2	"	"	3-3	1/3 Time flipper out + 2/3 Time in
2	0 11 W	+11 04	1	6.59	A_2	2-2-2	get a long - keep at this alt.
2	0 17 W	+02 45	2	7.35	K0	2-2-2	some haze
							M.C S.C M.W B.W.
							Aug 16.24 -14.4° +32.1° -11.2° +0.2m
2	0 11 W	+11 27	2-	6.1	K5	3-3	([illegible] ± 25%) ± 25%
2	0 16 W	" "	2-1	"	"	3-3	1/3 Time flipper out + 2/3 Time in
2	0 12 W	+13 46	1-2	6.5	K2	3-3	[illegible] ± 25%
2	0 22 W	" "	1-2	"	"	3-3	1/3 flipper out + 2/3 Time in
2	0 28 W	+01 59	1	6.4	K3	3-3	([illegible]) ± 25%
2	0 59 W	" "	1	"	"	3-3	1/3 Time flipper out + 2/3
2	0 10 W	+15 59	2	6.53	A_3	2-2-2	N. [illegible] N. under focus
							[illegible]
							[illegible]

153

Date Wednesday 1944 Aug. 16-17 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
	Partly cloudy all evening. Lightning in SE							M.	
	Cloudy at last first part of exp. Left H. via H								
	Thursday Aug 17-18 1944 EDA								
10402	HD. 179094	19 01.1	5 -11		F103		23.4	22 12	
10401	[illegible]	19 40.7	37 07				23.3	2 49	23 05
								23 16	
10403	HD. 194326	20 21.0	9 43				23.2	23 37	
10403	[illegible]	22 29	4 12				23.1	0 53	01 13
	25 Vul							01 14	01 42
10404	[illegible]	19 13	43 27				23.2	01 51	02 11
								02 12	02 40
10405	[illegible]	20 18.4	11 39				23.0	03 41	03 [illegible]
								03 41	03 49
10406	[illegible]	19 43	4 56				23.0	03 23	04 03

nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
							Strong N.W wind.
							cloudy at sunset but beginning to break up - clearing
							Focus 23.45 off at 10.00 and by midnight clear.
	1 02 W	52 23	1-2	6.93	K0	2-2-2 (Comp.)	The image is moving around & is bent by wind lots of seeing
	0 53 W	27 15	1-2	1.0	K2	3- 3	
	1 2					3-3	
	41 W	1 54	1	7.64	K5	2-2-2	
	1 1 W	4 28	1	5.9	K0	3- 3	
	41 W					3- 3	
	1 14 W	45 42	2	6.3	Ma	3- 3	Stop watch hand dropped on floor.
	41 W					3-3	15 min with flip from
	1 7 W	19 51	2	6.2	Ma	3- 3	15 min with flip in 15 min with flip
	36 W					3- 3	15
	0 48 W	15 11	2	6.1	K0	2-2-2	14

155

Date Thursday Aug 17–18 1911 (In Scotty) Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1464 & 1465	Focus Test	Trials through Lodge				7"–5"				
1467	H D 11700	02 33.1	10 2.9	I-25	E 103a-O	.008	73.0	04 10	04 50	4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
							brilliant aurora lovely coloured, up to Pole
04 50	0 39 E	10 40	2	7·38	KS	2-2-2 (corr.)	
							Aug 13/41 mc −1.71 sc −37.0 m.t. −0.27 i.t. 10.2

Lunar

157

Date Friday 1944 Dec 15-16 M. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	
10408	NC 7006	19 06.1	+32 16	1-75	F 1820	3=2	+21.2	20 05	20 43	1	
10409	Com 1955	17 57.1	+45 30	"	"	"	+21.2	20 20	21 32	2	
10410	Com 1901	18 50.2	+33 50	"	"	"	+21.2	21 41	22 19	3	
10411	17 Cygni	19 47.0	+33 38	"	"	"	+21.0	22 35	23 07	4	
—	NGC 7027	20 57.1	+42 01	"	"	"	+20.9	23 15		1	
10412F	Focus										

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		23 48 I	REMARKS
	0 44 E	- 02 21	2-1	6 [illegible]	K0	2-2-2	
	1 04 W	+ [illegible] 20	2-1	7 0	K2	2-2-2	2" [illegible]
	2 38 W	+ 32 52	0-1	6 7	G0	2-2-2	22 (+20
	3 51 W	- 22 36	0-1	6 7	[illegible]	2-2-2	25
		+ 20 14	2-1	7.7	K2	2-	
						7-5	noisy much after 23 30
							Still cloudy at 3 00 EST

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Date Saturday / 19[illegible] August 19 20 N6 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10[illegible]	N.G.C. [illegible]	17 17.9	+48 17	1-25°	L-103 O	-1 .008	+22.5	20 10	22 50	
10[illegible]12	H.D. 107568	39.1	+52 17	"	"	"	+22.0	21 02	21 [illegible]	
10[illegible]14	[illegible]	18 8.7	+52 16	"	"	"	+22.0	21 23	21 35	
	"	"	"	"	"	"		21 35	22 05	
10[illegible]15	H.D. 173094	19 06.1	+52 10	"	"	"	+22.0	22 07	22 [illegible]	
10[illegible]16	[illegible]	[illegible]	+52 [illegible]	"	"	"	+22.5	23 11	[illegible]	
	"	"	"	"	"	"		23 [illegible]	[illegible]	
10M[illegible]	Focus test - [illegible]									

Sunday, August 20-21, 1944 H

Clear most of day; clouding at sunset, forty clear but very hazy for brief intervals early part of night. After [illegible] is thick [illegible] at 2[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
	1 01 W	+48 16	1-0	6.6	F_2	2-2-2	10m flipped on 6.10m flipped on (+10' for haze)
	1 43 E	+83 26	1-2	6.22	A_2	2-2-2	
	0 33 W	+52 19	2	6.1	K_0	3-3	3m flipped on. 7m flipped in (+0.25m for haze)
	1 03 W	"	2→0	"	"	3-3	8m " 15m " "
	2 12 W	+12 20	0.1-2	6.73	K_0	2-2-2	hazy (+ for haze) 7m flipped on 16m flipped in (+0.25m for haze)
	1 08 W	+53 01	1-2	6.1	F_5	3-3	18m " " (+0.25m for haze)
	1 32	"	1-2	"	"	3-3	+1 AM - Check for a pair
							Aug 21, 44 MC -2.4m SC +4.8m MW -1.2m SW +0.4m

Date Monday Aug 21-22 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
10417	HE 1934-19	19 06	S 3 16	32.5	Eastman O	0.05	25.6	21 18	22 18	3
10418	YP 6483	19 [illegible]	50 18	"	"	"	25.7	22 25	23 05	1
10419	YP 6037	19 29	50 17	"	"	"	25.6	23 07	23 43	1
10420	YP 6158	21 03	41 31	"	"	"	25.6	23 48	00 10	1
10421	YP 6744	21 [illegible]	58 19	"	"	"	25.6	00 17	00 38	1
10422	YP 7004	21 [illegible]	57 --	"	"	"		1 02		1
	"							1 07		
	"						25.6	1 12		
10423	YP 7193	22 [illegible]	30 [illegible]	"	"	"	25.6	1 39	1 44	1
	"	"	"	"	"	"		1 45	1 54	
10424	YP 7425	22 [illegible]	46 [illegible]	"	"	"	25.4	2 07	2 15	
	"	"	"	"	"	"		2 16	2 26	
10425	YP 161	00 [illegible]	43 26	"	"	"	25.4	2 34	2 56	1
10426	HD 1155	01 [illegible]	49 50	"	"	"	25.4	3 08	4 01	1
10427	HD 14466	2 [illegible]	40 12	"	"	"	25.5	4 08	4 30	1
	Focus									

Very [illegible] soon - showing from [illegible]

E 2240

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comb.	REMARKS
	54 W	52 20	1	[illegible]	2-2-2	
	1 c3 W	50 26	0-1	69 50	2-2-2	⅓ ⅔
	1 -6 W	50 26	1	68 50	2-2-2	½ ½
	51 W	43 42	0-1	[illegible]	3 3 3 3	Exposure 8m 12m
	39 W	58 31	1?	[illegible] Ma	2-1 3 3	" 8m 18 ½
				40 50	6S	Exp 2m Something of
			2		6S	" 2½ " nebulosity
	30 W				6S	" 3 "
		56 39	2-3	61 60	6	
	42 W	"	3-3	61 90	6.	
		46 07	2-3	61 K0	6	
	27 W		3	"	6	
	6m W	44 11	2-3	66 K5	3-3	(12 plates taken)
	1 08 E	64 06	2-3	72 K5	2-2-2	
	92 E	40 22	2-3	71 K0	2-2-2	
					7-5	

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Date Sunday Sept 22 23/24 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
10428	No 219, Comet 18	17 24	+69 22	1-25"	E 103a-O	.03	+25.7°C	20 10	21 01	1
10429	H.D. 200661	20 59.7	+62 33	"	"	"	+25.8	21 01	21 22	2
10430	[illegible]	[illegible]	[illegible]	"	"	"	+25.7	21 19	[illegible]	3
10431	[illegible]	[illegible]	[illegible]	"	"	"	+25.6	21 49	[illegible]	[illegible]
10432	[illegible]	[illegible]	[illegible]	"	"	"	+25.5	[illegible]	01 01	1
10433	[illegible]	[illegible]	+48 42	"	"	"	+25.6	01 [illegible]	01 23	2
10434	[illegible]	[illegible]	[illegible]	"	"	"	+25.6	01 39	02 03	3
10435	H.D. 164283	[illegible]	+51 01	"	"	"	+25.6	02 [illegible]	02 27	[illegible]
10436	H.D. 210[illegible]	[illegible]	+64 17	"	"	"	+25.5	02 33	[illegible]	1
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
							Focus at 23 38±
	L 23 W	+27 23	1	7.3	Ko	2-2-2	Exposure 1/3 2/3 2.5? f Rays? fine
	L 6 E	+02 45	1-0	7.55	Ko	2-2-2	[illegible] fine
	C 47 W	+34 10	1-0	6.2	Ko	3-3	Exposure 14m 18m 1/3 2/3 weak quad
	C 30 W	+38 18	1-0	6.0	Ko	3-3	" 10m 16m 1/3, 2/3 weak fine
	O 44 W	+44 47	1-2	6.5	Ks	3-3	" 15m 27m 1/3, 2/3 v. weak, weak
	O 22 E	+49 03	1-2	4.9	Fo	3-3	" 4m 6m 8m, 1/3, 2/3 [illegible]
	O 3 N	+49 28	1	6.1	Ko	3-3	" 14m 20m 1/3 2/3 v weak weak
	C 22 E	+31 14	1	6.92	Ko	2-2-2	Ill. weak
	O 54 E	+45 27	1	6.41	A2	2-2-2	Ex strong! Exposure [illegible]
							focus at 23

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Int

...ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	0 32 W	+32 06	0-1	6.1 K	2-2
	1 15 W	+9 17	C	6.7 Ka	2-2-2
	1 31 W	+37 52	0-1	6.4 K	3-3
	2 42 W	+4 10	1	5.9 Fo	3-3
	1 41 W	+25 14	1	6.0 Ki	3-3
		+41 49	1	6.3 Gu	3-3
	1 20 W				3-3
	0 25 E	+17 36	1-2	5.1 M	2-2-2

Date Monday ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10111	YP 167, Lac 4460	17 15 4	+10 10	1-35	F 10 20	·008	+ 8·1	19 46	20 50	1
10112	[illegible]	18 51 7	+ 1 51				+ 14 3	21 01	21 43	2
10113	[illegible]	19 14 3	+14 23				+ 13 1	21 46	22 38	3
10114	[illegible]	22 32	+ 6 14	"			+ 12 2	22 32	23 14	4
10115	[illegible]	23 32 1	+ 5 05				+ 8 2	23 13	00 01	5
10116	[illegible]	23 11 0	+11 52				+ 17 5	01 13	01 55	6
10117	[illegible]	22 40	+11 12				+ 17 0	01 27	02 17	7
10118	[illegible]	00 00	+12 21	"			+ 17 0	02 21	03 01	8
10119	[illegible]	00 30 7	+22 22				+ 17 0	03 01	03 37	9
10120	HD 12700	02 8 2	+10 25				+ 17 5	04 01	04 37	10
	Inverted - [illegible]									

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
							Focus 23.31±
	1 [illegible]	+ [illegible]	1-0	6.5	Ma	3-3;3-3	Focus 30, 42; ¼ and ¾
	0 12 W	+ 12 [illegible]		6.7	Ko	2-2-2	¼ and ¼
	0 [illegible] W	+ [illegible]		6.7	Ko	2-2-2	¼ and ¼
	1 14 W	+ 16 [illegible]		6.7	Ko	2-2-2	¼ and ¼
	1 12 W	+ 20 14	0-1	7.2	Ko	2-2-2	Limiting H.L.
	1 17 W	+ 4 [illegible]	1-0	6.5	Ko	3-3	Focus 30m, 42m, ¼ and ¾
	1 19 W	+ 1 [illegible]	1-0	6.1	Ko	3-3	" 20m, 30m; ⅓ ⅔
	2 14 W	+ 15 [illegible]	1	5.4	Ko	3-3	" 8m, 12m, 16m; ⅓ & ⅔
	1 16 W	+ 10 10	1	6.2	Ko	3-3	" 24m, 32m; ⅓ & ⅔
	2 [illegible] E	+ 12 [illegible]	1-2	7.38	Ko	2-2-2	
							M C = C M.W = W
							Aug 21/ -34.3s +50.0s +2.0s +0.1s
							Focus good

Date Friday August 25-26 1944 Ma Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10434	YP5590	17 20.9	56 58	I-25	F 103a-D	.001	+20.0	20 34	20 52	1
10435	5152	17 35.7	26 06	"	"	"	20.0	20 37	21 [illegible]	2
10436	LIO 5196	19 51.2	36 44	"	"	"	20.0	21 57	22 23	3
	Focus Det + outside Th									
10437	[illegible]	21 27.2	36 36	"	"	"	20.0	22 32	23 [illegible]	4
10438	[illegible]	21 25.8	46 06	"	"	"	20.0	23 26	00 14	1
10439	[illegible] 5124	22 02.4	34 07	"	"	"	20.0	00 22	01 04	2
10460	[illegible]	03 04.3	37 02	"	"	"	19.9	01 13	01 55	3
10461	[illegible]	[illegible]	36 04	"	"	"	19.9	02 03	02 [illegible]	4
10462	[illegible]	01 56.1	26 30	"	"	"	19.9	03 05	03 40	1
10463	LD. 19230	02 39.1	15 29	"	"	"	19.9	03 46	04 42	2

* One water drip stain on mirror (4)

Shower about one hour before sunset. Cleared up right after.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comps	REMARKS
						Focus 23.46
	0 15 W	+57 12	1-2	5.6 FS	3-3	7.6m; 9.2m ½-½ Im balance of 2 hazy
	0 45 W	26 10	1-2	6.3 MO	3-3	20m, 26m ¼-¾ Scattered clouds N.W.
	1 30 W	36 54	0-1-2	6.6 MS	2-2-2	32m ¼-¾ + Seeing Variable
					7-5	
	0 49 W	36 47	1-2	6.9 MS	2-2-2	46m ¼-¾
	0 45 W	46 19	2	6.3 MO	3-3	20m; 26m ¼-¾ hazy
	2 54 W	34 22	2-3	6.4 MO	3-3	16m, 22m ¼-¾
	1 45 W	08 24	1-2	6.8 MO	2-2-2	42m ¼-¾ hazy
	1 55 W	36 21	2-3	6.5 FS	3-3	22m; 36m ¼-¾ hazy
	2 32 W	20 46	2-3	5.9 MO	3-3	12m; 20m ¼-¾ "
	0 2 E	15 40	2	7.59 MO	2-2-2	
					*	

Date Saturday August 26-27/99 N.C. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10 [illegible]	VP 6231 Comet	11 29.2	+16 22	1-25	E 135.0	4 WDB	+22.4°C	13 48	20 29	2
[illegible]	VP [illegible]	[illegible]	[illegible]	"	"	"	22.4	20 32	21 2	1
[illegible]	VP 6218 Spiral	10 20.5	+12 55	"	"	"	23.1	21 19	[illegible]	[illegible]
[illegible]	VP 6228 Comet	12 21.8	+29 44	"	"	"	22.3	21 35	22 [illegible]	2
[illegible]	VP 6230 Nebula	10 12.5	+29 28	"	"	"	23.3	22 44	23 [illegible]	3
[illegible]	VP 6232 Cluster	21 [illegible]	+23 49	"	"	"	22.2	23 21	00 [illegible]	1
[illegible]	VP [illegible]	22 [illegible]	+25 02	"	"	"	22.1	23 10	0 [illegible]	1
[illegible]	VP [illegible]	22 [illegible]	+22 [illegible]	"	"	"	22.3	0 32	0 [illegible]	2
[illegible]	ND [illegible]	22 [illegible]	+24 27	"	"	"	22.2	0 33	0 [illegible]	2
[illegible]	ND [illegible]	12 [illegible]	+29 31	"	"	"	22.2	0 [illegible]	0 [illegible]	2
	Comet - Tail Plate			Exp 7	h - 5					

Monday August 28-29 M.a.
cloudy all day and evening - signs of breaking up
at 1000 M.

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	1 01W	+16 23	D	67 Ko	2-2-2	Exposures 1/4, 3/4 seeing varied a
	0 55W	+21 08	1	62 Ks	3-3	Exposures 16m, 24m, 1/4, 3/4
	0 12W	+23 01	1?	37 Fo	3-3	Exposures 10m, 12m3, 15m; 1mm. between exp.
	1 34W	+24 57	1-2	68 F8	2-2-2	1/4, 3/4
	1 14W	+24 30	1	64 Ko	3-3	Exposures 20m, 25m 1/4, 1/4
	[illegible] W	+31 [illegible]	1	44 Ko	3-3	3m, [illegible] 1/4, 1/4
	1 17W	+25 19	1-2	63 Ko	3-3	24m 30 1/4, 3/4
	1 31W	+24 32	1-0	61 K0	3-3	24 36 1/4, 3/4
	1 03E	[illegible]	1	38 Ko	2-2-2	
	0 18E	[illegible]	1	70 Ko	2-2-2	
						T.C J.E. M.W S.
						Avg. 3/4 = -1.8m +30.2s +21.3s +0.65m

Date Sunday August 29 30/11 No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10479	YP 5283 23 hrs.	17 38 4	+21 37	1-25"	E 103a O	.208	+20.6°C	1? 45	20 18	
10480	YP 5493, 2 hrs.	18 15 1	+21 29	"	"	"	20.5	20 21	2 35	2
10481	YP 5644, 6 hrs.	18 42 0	+26 33	"	"	"	20.5	20 58	21 32	3
10482	YP 5845 E.S. 7280	18 07 4	+26 34	"	"	"	20.5	21 34	22 14	4
10483	YP 6210 23 hrs.	20 16	+27 30	"	"	"	20.4	22 16	22 30	1
	Total = Field Three hours 7°-5°									

Wednesday Aug 10-21 N

Rain Sept. and Cloudy. Haze, light clouds and mist at 100 E.S.T.

" and mist and heavy clouds coming up at 1:30

" at 2:30 no sign of

Seeing = lost will to open up.

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	2 52 N	+24 37	2	6.8	K5	2-2-2	Exposure 38" 1/4, 3/4
	2 54 N	24 27	2	6.7	K5	2-2-2	34" 1/4, 3/4
	1 24 N	26 36	1-2	5.7	K0	3-3	16", 18" 1/4 3/4 seeing variable!
	1 20 N	26 40	2	6.7	F5	2-2-2	40 1/4, 3/4 very hazy
	0 38 N	27 10	1-2	5.7	K5	3-3	14" 1/4, 3/4

[illegible] - at [illegible] 1 min. -
seen 1:30 - no signs of clearing off 2:30 -
end [illegible] line of thick mist by clouds -

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10471	HD 225056	15 08 1	+52 16	1-72	Eclipse O	.008	-23.2	4 13	4 24	2
10480	Y.P. 2717	4 19	+50 35			"	+23.1	20 30	20 52	2
10481	Y.P. 2718	4 19	+49 54			"	+21.0	21 02	21 19	1
	HD 24760	3 50	+45 12							

Still Clear at 2 30. Not long. H
Remained Clear

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	c :6 E	+32 22	1	6.93	H_α	2-2-2	
	c 33 W	+52 40	2-1	5 8	G_5		
	1 12 W	+49 59	1	7 1	G_5	2-2-2	
				6 3	F_5		

Date Saturday Sept 23/11 No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10482.	HD 179094	19 06.1	+32 16	1-25"	E103-O	2nd DCB	42.3°C	19 31	2 31	
	Spectra to right of zero line 7°-6°									

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
	05E	+52 22	1	693	Ko	2-2-2	very hazy! Light cirrus clouds — nine gaps, first part of time really not counted. Cirrus clouds - cleared up P.M. — Light clouds 11:15 — still cloudy 2 hr check and after hours

Date Sunday Sept 3 1944 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10483	HD 179821	19 06.1	+52 16	I-25	C-103a-J	1.25	25.5	19 28	20 12	2
10484	YP 5513	19 11.0	+31 01	"	"	"	25.5	21 10	21 32	3
10485	YP 5579	19 31.2	+23 31	"	"	"	25.4	20 35	21 17	4
	Area Int - Add'l Pic Same									
10486	YP Area Int	19 35.6	+17 47	"	"	"	25.3	21 31	21 37	1

Transit 23.34

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	20 [illegible]	-52 [illegible]	2-1	6 [illegible]	2-2-2	Binoc [illegible]
	19 [illegible]	-2 [illegible]	1	5 [illegible]	3-3 ; 3-3	Cyg [illegible]
	[illegible]	[illegible]	1-0	4 [illegible]	3-3	[illegible]
					7°.6	
						[illegible]
	22 [illegible]	-7 [illegible]	1	5 [illegible]	3-3	[illegible]
						[illegible]
						[illegible]

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Date June 8/9 to 6/10 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Daylight End
12487	HD 16r 781	17 387	ob 22	I-25"	E103a-0	.008	+21.6	7 26	8 10	1
12488	XP CMa	18 046	34 P3	"	"	"	+21.6	8 15	8 59	2
12489	HD 69299	7 510	8 21	"	"	"		9 08	9 30	4
12490	HD 69114	8 012	52 411	"	"	"	+21.7	9 36	10 00	1
12491	HD 6341	10 315	15 14	"	"	"	+21.6	10 04	00 00	2
12492	HD 7264	10 210	10 01	"	"	"	+21.6	00 02	00 32	3
12493	HD 71193	10 [illegible]43	11 12	"	"	"	+21.5	00 36	01 12	4
12494	HD [illegible]	23 403	2 56	"	"	"	+21.5	01 18	01 56	1
12495	HD 1826	01 201	23 30	"	"	"	+21.5	02 43	03 06	2
12496	HD 5259	01 271	19 47	"	"	"	+21.5	03 10	03 42	3
12497	HD 764	02 297	24 15	"	"	"	+21.4	03 47	04 23	4

Plates

There are no plates 12498 or 12499.

Last half cloudy H.

Form 23.45

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comb	REMARKS
10	1 13 W	6 22	1	6.9?	KO	2-2-2-2	Second [illegible] at 7:52!
	35 W	3 24	1	7.1	K4	2-2-2	1/3 2 [illegible]
	2h 8m W	8 12	1	6.9	A0	3-3	Int fair
	2 29 W	22 35	1	6.7	A0	3-3	" "
	2 51 W	38 24	1	?	G4	2-2-2	[illegible]
	37 W	14 16	1	6.4	G3	3-3	
	58 W	11 27	1	6.1	F0	3-3	Sky -10
	37 W	3 11	1	7.9?	N	2-2-2	
	16 W	22 15	1	6.5	F5	3-3	
	46 W	20 01	2	6.1	G7	P 2	Sky 14-19
	34 W	14 37	2-1	7.0	M1	3-3	Engaged
						1-1	Lyd C/44 -346 -1 2055 S.C. -243 STL +0.3 mTN -1.12
							Lyd 7/44 -347 -317 SLW +0.3 mTC -1.86
		Fr. 1.44 Sky 8-9					Heavy [illegible] 21.34 M
		P. M. hours [illegible]					[illegible] H

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Date Saturday, July 11 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10432	V Cyg	20 08	39 13	2-5"	Eastman	008	+18.0	7 20	8 12	1	
10433	"	19 18	43 10	"	"	"	18.0	8 15	9 21	2	
10434	4199	20 18	20 37	"	"	"	18.0	9 25	10 15	3	
10435	4199	21 10	37 37	"	"	"	18.0	10 20	10 32	4	
10436	4211	21 45	29 30	"	"	"	18.0	10 37	11 07	1	

From

7 plates in done

Focus 22.50

ding Time E.S.T.	our Angle End	Declination	Seeing	Ptg. Mag.		Comp	Flibber		REMARKS
	1 06 W	+22 12	1	7.0	M_2	3 - 3	1/3	2/3	
	59 W	23 6	1 - 1	7.2	K5	2 - 2 - 2	1/3	2/3	
	1 06 W	20 46	0	6.6	F1	3 - 3	1/2	1/2	Cirrus
	17 W	37 50	?	4.1	F0	6. 3 - 3	1/2	1/2	4m - 8m
	14 W	28 32	1 - 0	3.0	F0	3 - 3	1/2	1/2	30m

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

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Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
	Med 1944	Sept.	13 - 14		Haye and clouds		N			
	Shaw 1944	Sept.	14 - 15		Haye [illegible]		N			
	Oct. 1944	Sept.	15 - 16		[illegible]		[illegible]			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.				REMARKS

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Incl
10544	NGC 7009	21 02.4	+11 16	1-25"	E 103a0	20E	+20°F	10 37	10 41	
	Spectrum			Low	7h-5h					
			Spectrum		2341 F					
10545	XP 127, 52 Peg	21 37.2	+11 36	1-22"	E 103a0	20E	+30°F	00 [illegible]	01 31	
10546	XP 343, T	21 [illegible]	+20 31	"	"	"	+30°F	21 45	22 31	
10547	NGC 7027	21 [illegible]	+42 [illegible]				20°F	02 34	03 [illegible]	
	Spectrum				7h-6h					

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
							Eyes exchanged
	2 23W	+ 23	1-2	6.2	Ho	2-2-2	

Date Tuesday Sept 9 1913 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
10 [illegible]	[illegible]	16 [illegible]	21 23	T 25	E 03 D	0.0 9	+12.0	19 55	19 55
10 [illegible]	[illegible]	16 [illegible]	45 [illegible]						
11 [illegible]	[illegible]	00 [illegible]	29 12				+2.0	00 16	00 42
12 [illegible]	16 [illegible]	00 [illegible]	22 [illegible]	"	"	"			
		[illegible]	19 [illegible]	[illegible]		T 9			
		[illegible]							
		Clear [illegible]							
		Cloud [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.		REMARKS
	22 W	31 [illegible]	1-2	4.7 Mo.	2 - 3	1/4 3/4	Hazy.
				4.3 F5			
	4° E	29 [illegible]	3	5.7 F3	6 - 6	1/2 1/2	10m 16m Comp. (Hazy patches)
				5.2 G3			
		Cloud up N E		4 hazy stars.			
		" "	2"	Seeing poor, done this afternoon			
		Time bad, did 2		in dome.			
							April 21/71 mc -0.73 -0.10 mc +0.03

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Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
	" 599	01 58.0	25 27	"	"	"	17.2	2 16	2 56	
16 552	HD 23464	03 45.8	71 31	"	"	"	17.2	3 02	3 38	E
16 554	26076	04 02.6	71 52	"	"	"	17.0	4 02	4 38	
16 556	34653	05 14.0	77 53	"	"	"	17.0	4 25	5 03	
	37221	05 05.9	72 09	"	"	"				
	Faint.									

1911 Sept. 22 22 " Alternately clear and cloudy - calm

nding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
			1-0				
	33 W		1		6-6-6 ½ ½		
				61	F5	3-3 3-3 ½ ½	16m 20m
	25 E		1	667	F0		
	1m E		1-0	672	G5		
	32 E	77 58	1-0	668	A5	2-2-2	
				576	A0		clouds 5 03
						7-6	

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					fine
					fine
					fine
					fine
					fine

Last [illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]
Many [illegible] forming glorious [illegible]
[illegible] (See the drawings), in clear sky.
Very striking (especially at 23h 23m
Many [illegible] [illegible] along the 23rd.)

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1	YP 5715, Eccentric	18 50.6	+23 29	1-25"	E.03-0	4	42.5°C	19 16	20 21	1.5
2	YP 6166, Eccentric	19 29.6	+16 48	"	"	"	42.2	20 21	21 27	1.3
3	YP 6198, Eccentric	21 [illegible]	[illegible] 39	"	"	"	13.2	21 30	22 22	1.1
4	YP 6272, Eccentric	21 41	+23 28	"	"	"	12.2	22 32	23 16	0.9
	[illegible]			7h-6h						
	[illegible]			[illegible] 3541						
5	11.0 2.0 1.8	03 18	+04 31	"	"	"	10.3	01 59	02 45	1.2
6	[illegible]	03 [illegible]	01 52	"	"	"	10.2	02 52	03 02	1.4
7	[illegible]	03 46	08 30	"	"	"	10.1	04 04	05 10	1.1
8	[illegible]	03 [illegible]	09 54	"	"	"	10.1	05 19	05 34	1.3
	[illegible]			7h-5h						

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.					REMARKS
									Transit 23 23 E
21	1 25W	+26 14	0-1	6.5	G_5	3 2 3-3	½ ½	36 32	seeing variable
	1 17W	+16 56	1	6.5	G_0	3-2-3-3	½ ½	28 32	"
11	1 14W	+08 46	1	6.4	F_5	3-3-3-3	½ ½	24 28	"
12	1 21W	+22 44	1-2	6.4	K_0	3-3-3-3	½ ⅓	22 22	Confluence of [illegible]
									[illegible]
	[illegible]	+04 43	1	7.1	$\overline{G_2}$	1-2-2			[illegible]
	27W	+02 00	1	7.37	K_0	2-2-2			Fine
	[illegible]	+04 30	1	7.61	K_2	2-2-2			[illegible]
	17W	-02 16	2	6.16	B_3	2-2-2			[illegible] ing! Fine

Date Sunday Sept 24-25, 1904 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10563	XD 1432	18 14 2	+65 13	2.25	E [illegible]	.005	14.3	18 54	19 24	4
10570	XD 1432	18 14.5	+65 27				14.3	19 27	19 47	1
	[illegible]									
10571	XD 1432	18 6	+65 25				12.9	1 55	2 19	2
[illegible]	XD 1432	18 11	+65 53				12.9	2 21	2 38	3
[illegible]	XD 1432	18 55.1	+65 28				12.9	3 23	4 23	*
10572	12033	[illegible]	[illegible]				13.0	4 24	5 32	1
	[illegible]									

Monday Sept 26-27 Clear one min most of day.
Cloudy all night H.
Cloudy & light rain most of day H.

Thursday Sept 28-29 Cloudy most of day; photo removed
[illegible] Cloudy all night H.
Cloudy H.

Focus set 21.55

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
4	05 W	+07 14	1	6.6 K0	3-3 ½ ⅔	fine
17	47 W	+13 32	1	5.8 F5	3-3 ½ ⅔	Lille st. in red
					8°6°	
	Cody Tillotson for the gradually closing				Focus set 21.57	
	31 W	+23 21	1-2	6.6 K0	3-3 ½ ⅔	fine
21	58 E	+22 21	1-2	7.12 K0	2-3-2	l strong
22	22 E	+19 24	1-2	6.6 F2	2-3-2	Fat star B, following; fine
12	34 W	+23 34	1-2	7.5 A	2-3-2	Fat star, F2 preceding fine
					8°6°	
						focus good both setting

Date Sunday Sept 20-21, 1909 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10575	YP 5857	19 16 8	+14 1 55	I-25	B-1	5.05	-15.0	18 58	19 25	
10576	HD 65299	07 53 0	+34 21	"	"	"	-15.0	19 34	19 58	2
10577	HD 67934	08 05 2	+32 42	"	"	"	-15.1	20 01	20 27	3
10578	YP 6211 + 19 Vulp	20 47 6	+26 31	"	"	"	-15.2	20 32	21 05	4
10579	YP 6443 + 52 Cyg	20 11 5	+30 21	"	"	"	-15.1	21 09	21 28	1
10580	YP 6454 * Same Field	21 18 6	+39 11 41	"	"	"	-15.1	21 32	21 57	2
10581	YP 6457	21 31 1	+15 45	"	"	"	-15.0	22 02	22 27	3
10582	YP 6557 + 21 Peg	22 12 4	+21 51	"	"	"	-15.0	22 30	22 46	4
10583	YP 7451 + 9 Aq	22 47 4	+18 34	"	"	"	-15.1	22 46	23 16	1
10584	HD 26312	04 18	+15 57	"	"	"	-12.7	2 24	2 54	3
10585	39851	05 44 9	+24 28	"	"	"	-12.7	3 58	4 32	3
10586	43267	06 51 7	+10 40	"	"	"	-12.7	4 42	5 15	1

From at 23.54

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.				REMARKS	
	27 W	+15 01	0-1	65	G5	3-3	½ ⅔		
	2h 1.7 W	+14 11	0-1	6	37	A2	2-2-2		
	2h 30 W	+12 35	0-1	6	17	A2	2-2-2	Get strong	S.b-pile
	17 W	+12 01	1	6	9	K2	3-3	⅓ ⅜	
	02 W	+10 25	1	5	3	K0	6, 6	½ ⅔	7", 12"
	52 W	+09 57	1-2	1	5	F8	3-3	½ ½	
	39 W	+11 15	2	6	0	F0	0, 6	½ ½	9"
	54 W	+12 07	1-2	4	4	F5	3, 4, 6	½ ½	2", 3", 4"
	46 E	+13 52	1-2	1	5	M2	3-3	½ ⅔	
	Sec at K	23.57.53	Showing out - ground fog in valleys						
	11	+11 11	2	7	7	G2	2-2-2		
	01 E	+14 27	1-2	7	2	K2	2-2-2		
	1h 10 E	+15 41	1-2	7	4	G5	3-3		

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			Comp	REMARKS
	35' /	32 50	1-2	5.8	G0	½ ½	2 - 2	12" 16" fine, steady
	01 W	49 49	1-2	6.2	F9	½ ½	3 - 3	Too steady
	00 W	46 44	1-2	6.11	F2	½ ½	3 - 3	fine
	1 36 W	59 31	1-2	7.7	K5	½	2 - 2 - 2	slow 30 (fog and) fine
	2 16 E	57 30	2	6.62	F0		3 - 3	dusty. good.
		closed high H 30						

FLIPPER IN

	MC	SC	MTW	STW
Oct. 2	-56.5	+14.0	-29.5	+0.0
			reset -	adv. 1m

Date Tuesday, October 3-4, 1944 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Ind
10592	YP 5362	17 53.9	+45 23	I-25	E-10	.008	14.0	18 30	19 40	
10593	YP 5371 = K Cyg	19 14.8	+53 11	"	"	"	14.0	19 44	20 01	
10594	YP 5322 = V 4	19 21.1	+19 36	"	"	"	13.9	21 09	21 29	
10595	YP 6119 = 7 Cyg	19 52.6	+34 47	"	"	"	13.9	20 31	20 47	
10596	YP 2229	20 11.5	+33 21	"	"	"	14.0	20 50	21 24	
10597	YP 6409 = E Cyg	20 42.2	+33 36	"	"	"		21 28	21 35	
10598	YP 6379 = 3 V 4	20 40.5	+24 55	"	"	"	13.9	21 38	22 02	
10599	YP 4376 =	21 28.9	+31 47	"	"	"	13.8	22 04	22 24	
10600	YP 7340 - 6 Pisc	23 23.9	+05 50	"	"	"	13.9	22 30	22 52	
10601	HD 23134	4 29.8	+19 41	"	"	"	12.8	1 02	1 45	
	28525	4 27.4	+4 25							

Focus at 23.55

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	17 W	+45 25	0-1	7.6 Mb	⅓ ⅔	3-3	Seeing better than last
	17 W	+53 16	0-1	50 K0	½ ⅔	6;6	6m; 10m
	28 W	+49 42	0-1	63 K0	½ ⅔	3-3	
	35 W	+35 00	0-1	50 K0	½ ⅔	6;6	6m, 10m
	43 W	+33 35	0-1	66 K5	½ ⅔	3-3	
	2 W		0	36 K0	⅓ ⅔	6;6;6	80s; 120s; 160s
	4 W	+25 27	0-1	62 K2	½ ⅔	6	Poor tight bands
	35 40 W	+32 23	1	60 F1	½ ½	6;6	12m; 16m
		+26 27	1	53 F5	½ ⅔	6;6	10m; 6m Very light on this band
		Focus at t 2:39					Not very sharp; light bands on both sides but very faint; [illegible]
	3 16 E	+49 48	2-3	706 F7		2-2-2	[illegible]
				773 F5			Hard.

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Date Wednesday Oct 4-5 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10602	YF 5603	18 40	-4 51	J·25'	Ilford 0	0.08	-14.5	15 30	18 28	1	
10603	" 5717	18 52	+3 46	"	"	"	+14.5	18 56	19 14	2	
10604	" 5828	19 50	+12 11	"	"	"	+14.5	19 20	20 00	3	
	Focus										
10605	YF 6012	19 30	29 36	"	"	"	14.5	20 06	20 40	4	
10606	" 6051	20 07	26 02	"	"	"	14.5	20 45	21 01	1	
				Moved slowly							
~~10607~~	HD 36402	5 29	39 46	"	"	"	13.5	3 28		2	
		Finished Oct 5			N						
	Cloudy and foggy; a clear period for a very short time around 5:30 EST										
	Clouds rapidly coming over										

Focus unchanged

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp		REMARKS
	40 W	-4 48	1-2	5.4 cG7	6-6	1/3 2/3	6m 12m good fine
	57 W	+13 50	1-2	G2 M4	3-3	1/3 2/3	clear
	19 W	+12 18	1	57 F0	6	1/2 1/2	fine
					7-6		focus o.k.
	39 W	30 04	1-2	5.8 K0	6 3-3	1/3 2/3	14 20 bell clear, clear
	45 W	26 56	1-2	5 1 G2	6-6	1/2 1/2	" " fine transparency
		39 47	2	7 1 2	1 2-		cloudy almost per start. closed 5m0

	MC	SC	MT	ST
Oct. 5	-59.0	+17.8	-22.s0	+0.m15

Date Friday Oct 6-7 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10607	YP 6937	22 09½	39 13	I-2	Eastman	0.5	+2°.7	21 37	21 53	3	
10608	YP 7074	22 34.7	56 17	"	"	"	20.8	21 58	22 28	4	
10609	YP 6964	22 18.9	66 12	"	"	"	20.7	22 33	23 13	1	
10610	YP 7324	23 20.4	61 44	"	"	"	20.6	23 17	23 41	2	
10611	YP 7468	23 49.4	56 57	"	"	"	20½	23 46	00 08	3	
10612	YP 770	00 32.8	55 59	"	"	"	20.6	cc 18 cc 20 cc 37		4	
10613	HD 21519	03 38.7	69 30	"	"	"	20.6	1 02	1 52	1	
10614	31 563	04 51.9	73 37	"	"	"	20.6	2 33	3 23	2	
10615	40083	05 51.6	64 33	"	"	"	20.6	3 33	4 25	3	
10616	47979	06 36.4	53 24	"	"	"	20.5	4 40	5 22	4	
	Focus										

Mirror re-coated Sat-Sun-Monday (no time lost)

Wed Oct 11-12 - clear 11^00 cloudy 12^30 clear 1^00

apparently poor contacts at plugs - no damage done. clouded 2^00 - 4^00 5.7

Mirror fogged in early evening

Focus 23 46

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.		REMARKS
	26 W	39 27	2	6.0 K4	3-3	1/4 3/4	
	36 W	56 31	2-3	7.2 M6	3-3	1/4 3/4	
	1 37 W	66 26	2-3	7.5 G6	3-3	1/3 2/3	(V) could not guide well for fear of getting companion on slit
	1 03 W	61 59	2	6 8 M2	3-3	1/4 3/4	
	1 08 W	57 10	1-2	5 2? eG0	6-6	1/3 2/3	8-12 re-set for 3
	47 W.	?	1	3.8! G7	6 6 6	1/4 3/4	2 4 6 clouds. ended 00 40
	2 16 E	69 35	1-2	7.58 K0	2-2-2		
	49 E	73 43	1-2	776 K0	2-2-2		clouds thin
	45 E	54 34	1	736 K0	2-2-2		better
	35 E	53 22	1	7 8 K0	2-2		very ? cloud
					7-6		

opened 1 30. trouble with heater current.

Clearing but thickish 5 00 E.S.T

Oct 12th Sid. W hand 0.0 mean time

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Date Wed Oct 11-12 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10617	HD 37329	5 32 7	-26 34	I 25	F103a-O	008	10.8	4 29	5 09	1
0619	{ 39235	460	33 53	"	"	"	10.8	5 14	~~6 05~~ 5 56	3 HW
	{ focus									

Oct. 12 | M C -63.8 | S.C. +25.2 | M T W +28.4 | S T W +0.2 (reset)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
		26 38	1-0	7 47 K0	2-2-2	looks v faint
	13 H W	33 56.	1-0	7 73 Ma	2-2-2	daylight.
					7-6.	

Note For some reason dec has to be set 3' north. [For some time it was [illegible] Set about 2' N.]

Fixed trouble light -

Put heat on R.A clamp - which worked not touched at first

Made new glass for flash light

Prism in guiding eye-piece is loose - tied with bit of cloth.

9 put heat on mirror. take off sometime

Date 1911 October 13 Thursday N **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10619	HD 28505	04 31.6	+10 01	1-22	E-2-0	"	+12.6	1 17	1 27	3
10620	36162	05 21.7	+22 23	"	"	"	+12.4	2 03	2 13	4
10621	37536	05 31.7	+31 33	"	"	"	+13.2	2 42	3 52	1
10622	40232	05 52.7	+01 13	"	"	"	+12.2	4 04	1 44	2
10623	38529	05 41.4	+01 09	"	"	"	+12.2	4 13	5 03	3
10624	42519	06 03.5	+22 13	"	"	"	+12.2	5 12	5 22	4
10625	46642	06 29.1	+07 39	"	"	"	+12.2	5 31	5 54	1
	[illegible]									

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
1[illegible]	1 20 E	[illegible]	0 - 1	[illegible]	2 - 2 - 2 very unstable good
2[illegible]	1 34 E	+22 [illegible]	1	7.49 K_2	2 - 2 - 2 good
3[illegible]	0 28 E	+31 [illegible]5	1 - 2	8.07 M_2	2 - 2 - 2 good
4[illegible]	0 01 E	+01 16	1 - 2	7.56 K_2	2 - 2 - 2 good
5[illegible]		+01 09	1 - 2	6.92 [illegible]	2 - 2 - 2 good
6[illegible]	0 35 W	+22 14	1 - 2	7.11 K_2	2 - 2 - 2 good
7[illegible]	0 32 W	+07 [illegible]	1	6.42 A_0	3 - 2 - Not too steady good

full [illegible] of water in some.

Y-H- [illegible]

Date Friday, October 13-14 1944 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
						Set					
10626	YP 5821	19 03.7	+21 32	I-25	E103a-O	008	16.2	18 12	18 36	2	2h W
10627	5916	19 20.2	+11 44	"	"	"	16.2	18 39	19 07	3	2h W
10628	6174=7 Sge	20 00.7	+19 42	"	"	"	16.3	19 11	19 29	4	1h W
10629	6282	20 18.5	+40 48	"	"	"	16.2	19 32	20 06	1	1h W
10630	6285	20 18.4	+40 03	"	"	"	16.2	20 08	20 32	2	1h W
10631	YP 6283=8 Cyg	20 18.6	+39 56	"	"	"	16.2	20 34	20 40	3	1h W
10632	6282	20 18.5	+39 51	"	"	"	16.2	20 44	21 06	4	1h W
10633	6722=5 Peg	21 33.1	+18 52	"	"	"	16.2	21 07	21 25	1	1h W
10634	6728	21 34.4	+19 49	"	"	"	16.2	21 27	21 51	2	1h W
	[illegible]	[illegible]	[illegible]								
10635	YY 7102	22 38.2	+39 42	"	"	"	16.2	21 54	22 09	3	1h W
10636	HD 28930	4 28.4	+69 12	"	"	"✓	15.6	0 30	1 10	4	1h E
10637	3248 2	04 58.4	+31 09	"	"	"	15.6	1 13	1 51	1	1h E
10638	3641	05 22.8	+31 46	"	"	"	15.5	2 00	2 14	2	1h E
10639	3759	05 32.3	+33 30	"	"	"	15.5	2 18	2 36	3	1h E

Dome temp. at start = 63°F at opening.

Sunset at 23.52 [illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.				REMARKS
[illegible]	0 41 W	+21 39	1	6.5	F2	3-3	½ ½	Var. N-NW wind; seeing unsteady; [illegible] good
[illegible]	0 59 W	+11 51	1	6.0	G5	3-3;3-	⅓ ⅔	12m, 15m
[illegible]	0 39 W	+ 9 51	1-2	6.3	K0	3-3	⅓ ⅔	
[illegible]	0 58 W	+11 10	1-2	7.2	G5	3-3	⅔ ⅓	
[illegible]	1 [illegible] W	+11 12	1-2	6.7	K5	3-3	⅓ ⅔	
[illegible]	1 32 W	+24 05	1	2.9	F8	6,6	½ ½	30s, 50s, 90s
[illegible]	1 52 W	+24 05	2-1	6.0	F0	3-3;3-	½ ½	8m, 14m (Ptg. mag. = 2.9 + 3.0 = 12.7 mag.)
[illegible]	[illegible] W	[illegible]	2	5.7	F0	6;6	½ ½	6m, 10m
[illegible]	2 32 W	+30 03	2	6.1	F0	6;6	½ ½	8m; 12m
						8;8		
	3 [illegible]	+29 55	2	3.7	G0	6;6	⅓ ⅔	40s, 60s, 90s
								[illegible]
[illegible]	0 28 E	+19 19	2-1	7.24	K0	2-2-2		
[illegible]	0 [illegible] E	[illegible] 15	1	7.24	K0	2-2-2		
[illegible]	0 [illegible] E	[illegible] 49	1-2	7.52	K0	2-2-2		
[illegible]	0 54 E	+11 35	1-2	7.32	K0	2-2		

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(Cont'd)

Date Sunday, Oct. 13-14, 1944 U Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
						Cut				
10640	HD 40372	5 53.2	+01 49	I-25	E-1030-O	008	15.5	3 30	3 50	4
10641	42111	6 03.8	+02 31	"	"	"	15.5	3 55	4 15	1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
3 50	1 52 E	+01 52	1-0	6.20	A5	3-3	Not too strong. Light clouds.
4 5	2 7 E	+02 33	1-0	5.58	A2	3-3	South, following, fainter GET SIRIUS. Clouds increasing. (SE - by end region not in field of view). Star about mag 4.5 Light clouds. Everything cold & frosty; floor made it difficult to find & keep good position.

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Date Sat Feb 14-15 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10642	HD 32406	4 57.9	30 22	I 75	Eastman O	008	+7.8	1 37	2 27	2	6E
10643	32720	5 36.0	32 37	"	"	"	+7.8	2 32	3 26	3	5E
10644	32971	6 05.8	32 43	"	"	"	+7.8	3 30	4 00	4	5E
10645	47556	6 32.1	10 56	"	"	"	+7.5	4 05	4 57	1	3.0E
10646	50277	6 47.4	5 30	"	"	"	+7.6	5 01	5 21	2	1E
10647	53510	7 00.2	9 18	"	"	"	+7.6	5 23	5 51	3	6W
	Focus (outside Plumbose)										

Focus 23.65

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS Strong N-wind.
	1 16 E	30 26	0	7 39	K0	2-2-2	Sky
	55 E	22 38	0	7 54	K2	2-2-2	clear
	52 E	32 46	0	7 03	K2	2-2-2	but
	20 E	10 56	0-1	7 60	K0	2-2-2	very
	11 E	8 28	1	5.90	A5	3-3	poor seeing. Dome temp 34° Fahr.
	6m W	9 18	1	7 02	K0	2-2-2	
						7-6	

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
						S.F				
				I-25		008				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS

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Date Monday Feb 16 17 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10662	+0 39606	4 3 47	69 32	T-25	E103a-O	.003	10.3	00 16	00 28	5 45 E
10663	31563	4 518	73 37	"	"	"	10.5	00 40	01 10	4 33 E
10664	32518	4 587	69 30	"	"	"	10.5	01 15	01 41	3 55 E
10665	33507	4 632	69 24	"	"	"	10.5	01 45	02 05	3 27 E
10666	40425	5 110	71 31	"	"	"	10.5	02 12	02 43	3 01 E
10667	41367	5 163	69 34	"	"	"	10.5	02 47	03 31	2 33 E
10668	42430	5 246	71 34	"	"	"	10.5	03 25	03 49	1 [illegible] E
10669	54070	7 024	71 59	"	"	"	10.5	03 53	04 15	1 [illegible] E
10670	46[illegible]	6 [illegible]	55 [illegible]	"	"	"	10.5	04 31	04 45	0 [illegible] E
10671	29419	5 415	66 05	"	"	"	10.5	04 51	05 15	0 [illegible] E
10672	[illegible]	6 [illegible]	11 06	"	"	"	10.5	05 22	66 0[illegible]	1 [illegible] E
	Focus									

	MC	SC	MTW	STW
Oct. 16	−67.0	+31.1	+10.4	+0.0

Focus 23.60

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	2h 45 E	59 25	3	761 A3	3 − 3	
	2 23 E	73 −3	2 − 3	776 K0	2 − 2 − 2	
	1 58 E	69 35	2 − 3	758 K0	2 − 2 − 2	
	2 17 E	68 28	2 − 3	740 K0	2 − 2 − 2	
	1 50 E	75 17	2 − 3	770 K5	2 − 2 − 2	
	1 15 E	59 25	3	807 K0	2 − 2 − 2	
	1 −5 E	70 51	3	761 K0	2 − 2 − 2	Focused
	1 27 E	71 56	3	7−5 K0	2 − 2 − 2	
	50 E	55 26	3	7−3 K0	2 − 2 − 2	
	49 W	66 −6	3	759 K0	2 − 2 − 2	
	47 W	11 05	3	718 M4	2 − 2 − 2	
					7 − 6	
						Focus slightly + of 0
		Sky was probably 4.				

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Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS

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Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Filt	Temperature	Starting Time E.S.T.	Ending Time E.S.T.

Oct. 19 MC -68.5 SC +34.5 MTW +22.2 STW +0.3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	34 W	+1	0-0		3-2-2	
						Focus at 23.65
	32 E	+40	0		3-2-2	
			2-1	7.13 K5	2-2-2	
	24 E	+41	2-1	5.65 A8	2-2-2	seeing
	16 E	+37	1-2	5.63 A8	2-2-2	
					3-2	-2

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Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comb.	REMARKS	

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Date Sunday ... Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Oct 25 26 Wed Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10711	HD 18482	2 53.2	40 38	I.25	E1020-C	0.8	+11.5°	23 56	00 29	
10712	36891	5 29.8	40 01	"	"	"	+11.5°	00 38	01 12	
10713	38858	5 41.0	56 23	"	"	"	+11.5°	01 18	01 44	
10714	40986	5 57.1	61 37	"	"	"	+11.5°	01 49	02 33	
10715	45947	6 31.4	78 46	"	"	"	+11.5°	02 37	02 57	
10716	46509	6 38.3	71 30	"	"	"	+11.4	03 03	03 27	
10717	48182	6 46.0	70 57	"	"	"	+11.4	03 31	04 01	
10718	50446	7 01.1	52 05	"	"	"	+11.5°	04 08	04 38	
10719	46977	6 55.5	76 41	"	"	"	+11.5°	04 43	05 07	
	7 Dec									

Focus 2362

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	28 E	40 50	0	7.14 K2	2-2-2	
	22 E	40 12	0-1	7.18 K0	2-2-2	
	02 E	56 56	0-1	6 44 A2	2-2-2	poor focus
	29 E	63 30	0-1	749 K0	2-2-2	
	3- E	73 46	1	656 F2	3- 3	
	06 E	71 49	1-0	685 G5	2-2-2	
	04 E	70 54	1-0	693 F0	2-2-2	
	12 E	72 01	0-1	692 K2	2-2-2	
	52 E	56 40	0-1	690 K0	2-2-2	

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Date 19th October 26-27 Thursday M Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10720	HD 34533	05 12·1	+46 52	1-25	E 103a0	·008	+07.0	1 39	2 05	1	-7E
10721	40533	06 05·1	+15 09	"	"	"	+07.0	2 16	3 [illegible]	2	-1E
10722	47320	06 32·4	+02 48	"	"	"	+06.9	3 08	3 [illegible]	3	-4E
	~~55 21~~	~~07 [illegible]~~	~~+05 37~~	"	"	"					
	focus [illegible]		outside through haze								
10723	HD 52554	06 56·6	+15 28	"	"	"	+06.7	5 07	5 29	4	-4W
10724	52771	06 58·2	+12 44	"	"	"	+06.7	5 31	6 03	1	-7W

Cloud. all day and most of night. Clear spot around 0.30. Cloud bank in north-west "

MC −72·0 SC +39·6 MTW −10·8 STW +0·5

focus set 23·63 ±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 [illegible]	1 07 E	+46 57	0-1	6·76 Fo A	2-2-2	seeing variable, occasionally good
3 [illegible]	1 01 E	+18 10	0-1	7·44 Ko	2-2-2	cloud [illegible] W.
3 [illegible]	0 44 E	+07 46	0-1	7·42 Ko	2-2-2	5 star zone 3 47, sky completely cloud free.
				~~7·66 G5~~		
					7-5 8	
5 [illegible]	0 34 W	+15·26	1	6·89 Ko	2-2-2	cloud in NE, E, NW.
1 [illegible]	1 29 W	+12 43	1-0	7·35 K5	2-2-2	clouds rising rapidly from NE - over sky, patchy on [illegible], star zone most of time.
						temp on dome 35° F
						3 holders loaded 8 plates on dome

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

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Date Monday Oct 30-31/44 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10733	HD 36041	5 23.8	39 46	I-25	E103a-O	008	+5.1	00 [illegible]	00 30	[illegible]
10734	36160	5 [illegible]	[illegible]	"	"	"	+5.4	00 37	[illegible]	[illegible]
10735	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]

Focus unchanged

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
[illegible]	2 32 E	[illegible]	2-3	7.52 - K0	2-2-2	[illegible] Low [illegible]
[illegible]	[illegible]	[illegible]	2-3	7.49 K0	2-2-2	[illegible] " "
[illegible]	[illegible]	[illegible]	2-3	7.50 K0	2-2-2	[illegible] [illegible]
						[illegible] [illegible]
						[illegible]
						Put heat on.
						Heat taken off 7 PM
						Plates not developed
						Col 2C N.S. -1.1 E.C. +2.1 R.T.H. -0.1 S. +0.2

Put heat on.
Heat taken off 7 PM
Plates not developed

Date Sunday, October 31 - November 1, 1944 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10736	H.D. 29	04 23.5	+19 41	I-25		3.5 205		23 30	24 52	
10737	34423	05 12.8	+44 19	"	"	"		23 56	0 26	
10738	37	05 31.2	+33 30	"	"	"		0 28	2 54	
10739	37329	05 32.7	+22 34	"	"	"		0 56	1 [illegible]	
10740	37784	05 [illegible]	+22 37	"	"	"		1 [illegible]	2 [illegible]	
10741	[illegible]	05 49.6	-[illegible] 57	"	"	"		2 17	3 45	
10742	45357	06 21.2	+16 54	"	"	"		[illegible]	[illegible]	
10743	[illegible]	06 33.1	+28 47	"	"	"		[illegible]	[illegible]	
10744	53925	07 [illegible]	+37 31	"	"	"		[illegible]	[illegible]	
10745	[illegible]	07 [illegible]	+[illegible]	"	"	"		[illegible]	[illegible]	
10746	[illegible]	07 55.0	+[illegible]	"	"	"		[illegible]	[illegible]	
10747	[illegible]	[illegible] 57.4	+[illegible] 31	"	"	"		[illegible]	[illegible]	

Cloudy most of night. Seeing bad toward 2:45
Storm S and W horizon
Temp at 23 62±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	7 E		2-3	7.06 F8	2-2-2	Dark last plate. Very hazy. Light clouds
	16 E		3	7.72 K0	2-2-2	" " "
	16 E		3-2	7.43 K0	2-2-2	Haze thickening. Seeing deteriorating
	27 W		3-1	7.47 K0	2-2-2	" " " "
	1 E		4-2	7.54 F2	2-2-2	Light scattered clouds in horizon
	11 E		2-3	7.23 M0	2-2-2	Increasing clouds
	11 E		3-1	6.51 Ba	2-2-2	Cirrus streaks. Light clouds
	24 E		3-2	7.25 K0	2-2-2	Hazy. Thin cirrus
	12 E		4-2	7.32 K0	2-2-2	Light, hazy
	2 E		3-2	7.45 M0	2-2-2	Light cirrus clouds in horizon
	1 W		3	7.28 K0	2-2-2	Hazy
	22 E		2	7.37 K0	2-2-2	Hazy
						Temp 47°

Date Wed. Nov 1-2 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
10748	HD 29104	4 29 9	0 41	1-m S	E 103a-O	0.8	+13.0	00 21	00 55	1	
10749	37536	5 34 2	31 52	"	"	"	+12.9	01 01	01 31	2	
10750	41429	6 00 0	29 31	"	"	"	+13 0	01 56	02 36	3	
10751	39625	5 49 0	3 13	"	"	"	+12.9	02 42	03 42	4	
10752	53913	6 57 9	9 17	"	"	"	+12 9	03 47	04 07	1	
10753	57744	7 17 5	23 50	"	"	"	+12 9	04 12	04 32	2	
10754	60111	7 21 9	3 30	"	"	"	+12 9	04 37	04 49	3	
10755	60257	7 22 0	3 25	"	"	"	+12 9	04 55	05 15	4	
10756	63262	7 41 4	13 28	"	"	"	+12 9	05 19	05 49	1	
10757	[72357	8 27 3	10 36	"	"	"	+12 9	05 53	06 09	2	
	[Fo-										

Focus 2360

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	1 15 W	+19 46	0-1	7.06 - FR	2-2-2	
	1 14 E	31 58	1-2-2	8.07 Ma	2-2-2	clouds
	9 E	29 32	1-2	7.67 Ma	2-2-2	"
	19 W	+3 14	1-0	7.55 KO	2-2-2	
	25 E	+9 15	0	5.99 AL	2-2-2	
	30 E	+22 06	1-1	6.32 AN	2-2-2	
	13 E	3 29	1-2	5.90 AE	2-2-2	
	12 W	3 32	1-0	5.42 AB	2-2-2	
	32 W	+13 33	1-2-1	7.25 KO	2-2-2	
	7 W	10 17	1-2	6.10 AO	2-2-2	"

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Date 1914 December 2 3 Wednesday 34 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10758	HD 23106	03 23.5	+19 41	1=25	Eastman	10=0	13.8	1 44	2 04 3	0 36
10759	23196	03 08.1	+10 26	"	"	"	13.7	2 05	2 21 4	3
	47156	06 33.1	+10 36	"	"	"				
10760	51646	07 11.1	+52 05	"	"	"	13.7	3 25	3 47 1	0 5
10761	61228	08 21.3	+58 33	"	"	"	13.7	3 55	4 13 2	10 5
10762	69148	08 10.1	+35 32	"	"	"	13.7	4 17	4 53 3	11
10763	76961	09 14.0	+42 50	"	"	"	13.7	4 58	5 31 4	
	from Dr. [illegible]									
	Sunday Morning [illegible]				Put [illegible]					
	Sunday Morning [illegible]				Used [illegible]					

Very windy evening, and first half. Unsteadiness and when clouds ended quite up

Focus 2.2 at 2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	
	0 04 W	-15 47	2-3	7 06 F3	2-2-3	clouds (weak for lensing orbit)	Focus weak
	0 22 W	+00 31	2-3	7 61 K2	2-2-2	clouds	3 01
				7 60 K0			go
	1 01 E	+32 02	2-3	6 98 K2	2-2-2	clouds	good
	1 20 E	+52 24	2-3	7 45 K0	2-2-2		good
	0 45 E	+54 19	2-3	7.58 K0	2-2-2	clouds	good
	0 40 W	+42 45	2-3	7 37 K0	2-2-2	clouds, clear down to 5 - , focus 5 34	
					2-2		
						Focus ok.	

Nov. 6 — MC $-1^m 10^s.0$ — SC $+34^s.2$ reduced set by 0.2 — MTW $-01^s.2$ reset — STW $+0^m.1$

Date Mon Nov 6-7 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10764	HD 33541	5 05.9	73 09	1-2.5	E102a O	008	+1.9	00 48	00 54	1	
10765	HD 40055	5 51.4	75 35	"	"	"	+1.9	01 00	01 44	2	
10766	HD 34653	5 14.0	77 53	"	"	"	+1.8	01 51	2 07	3	
10767	HD 40827	5 56.3	59 34	"	"	"	+1.5	02 12	2 46	4	
10768	HD 45560	6 23.1	79 40	"	"	"	+1.6	02 52	3 12	1	
10769	HD 45724	6 24.0	02 43	"	"	"	+1.7	3 19	3 59	2	
10770	HD 48348	6 27.9	03 08	"	"	"	+1.7	4 03	4 37	3	
10771	HD 54964	7 14.2	02 50	"	"	"	+1.7	4 38	4 58	4	
10772	HD 62964	7 35.0	00 24	"	"	"	+1.8	5 02	5 24	1	
10773	HD 63435	7 42.8	64 34	"	"	"	+1.6	5 27	5 49	2	
10774	HD 70613	8 14.6	04 15	"	"	"	+1.6	5 53	6 13	3	
10775	HD 74591	8 39.7	06 03	"	"	"	+1.6	6 16	6 26	4	
	Error										

Focus 23.75"

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	2h 07m E		2	5.76 A0	6	
	1 26 E	75 38	2-1	770 K5	2-2-2	During night I had a lot of
	25 E	77 57	2	668 A5	3-3	trouble with heat control
	26 E	59 25	3-2	8.07 K0	2-2-2	relay sticking in the off
	3 E	79 40	3-2	652 A0	2-2-2	position
	19 W	+2 42	2	774 Ma	2-2-2	
	43 W	+3 06	2	744 K0	2-2-2	
	30 W	+2 52	2-1	684 [illegible]	2-2-2	
	39 W	+00 22	2	714 G5	2-2-2	
	5 W	+04 31	2	707 F0	2-2-2	
	44 W	04 11	2	707 G5	2-2-2	
	32 W	05 55	2	606 A2	3-3	
					8-6	
		Heat put on Mirror 6:30 PM Tues.				

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Date Sat. Nov 11-12 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
10776	HD 39743	5 49.4	49 01	I-25	F103a-0	008	+3 6	00 23	01 25	
10777	38545	5 41.8	14 28	"		"	+3.5	01 38	02 02	1
10778	40372	5 57.2	1 49	"	"	"	+3 4	02 09		
10778	42049	6 03.5	22 13	"	"	"	+3.4	02 30	03 06	2
10779	50277	6 47.4	8 30	"	"	"	+3 4	03 11	03 31	
10780	52556	6 56.6	15 28	"	"	"	+3.4	03 35	04 01	
10781	61035	7 32.7	24 36	"	"	"	+3.3	04 05	04 25	
10782	63589	7 46.1	19 35	"	"	"	+3 3	04 31	0505	
10783	63799	7 45.6	3 32	"	"	"	+3.4	05 09	05 41	
10784	65522	7 54.0	13 30	"	"	"	+3 1	05 45	6 02	
	Focus									

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	5 1 E	49 04!	0-1	722 [illegible]	2-2-2	[illegible]
	3 4 E	14 31	0	573 A2	2-2-2	get strong
		+1 53!	0	620 A5	2-2-2	clouds.
	7m W	22 15	0-1	711 152	2-2-2	same holder
	11m E	8 29	0-1	590 A5	3-3	get strong.
	10 W	15 38!	1	689 K0	2-2-2	
	9m E	24 31	1-0	660 F0	3-3	
	24 W	19 37	1-0	713 K0	2-2-2	
	1 00 W	3 25	1-0	708 G5	2-2-2	
	1 14 W	13 25	1-0	738 K5	2-2	clouded over.
					8 6	
		10 plates done				focus shoulder Cliff Image
		[illegible] plates done				Heating when [illegible] Trouble

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Date Sunday Morning [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	
[illegible]	W.D. [illegible]	[illegible]	[illegible]	I-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2 47 E	+51 33	2	7.19 -25	2-2-2	
	2 35 E	- 9 19	3	7.45 K1	2-1-2	
	2 09 E	+16 25	3	7.50 K0	2-2-2	
	1 46 E	+75 38	3-2	7.70 N5	2-2-2	
	1 28 E	+62 28	3	7.49 K2	2-2-2	
	0 52 E	+51 27	2	7.17 K0	2-2-2	
	0 21 E	+51 34	3-2	7.24 K1	2-2-2	
	0 - 2	+ 1 58	2	7.24 K0	2-2-2	
	0 27 W	+ 1 32	2-1	7.14 K0	2-2-2	
2 58	0 - 2	- 1 16	2-1	7.22 K2	2-2-2	
	1 - 2	- 1 17	1-2	7.18 -25	2-2-2	
	2 30 W	+ 1 17	2-1	7.20 K2	2-2-2	
	2 - 2	- 1 17	2	7.12 K2	2-2-2	
	2 38 W	+ 1 17	2	7.21 K2	2-2-2	
	2 01 W	+ 1 17	2-1	7.25 K2	2-2-2	
	2 - W	+ 1 21	2	7.19 K2	2-2-2	

Monday - clear but 10 around
rest tonight ∨ →

Date Monday Nov 13-14 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle East
10801	HD 53257	6 893	22 47	I-25	F103a-O	cc8	6.8	3 57	4 07	
10802	52996	6 582	12 44	"	"	"	6.8	4 10	4 34	5 W
10803	62407	7 387	13 07	"	"	"	6 7	4 37	5 01	
10804	64052	7 469	3 32	"	"	"	6 7	5 04	5 40	
10805	[73599 focus	8 341	8 22	"	"	"	6.7	5 44	6 30	10 W

Sunday ~~13-14~~ Nov. 16-17 cirrus, light rain.

Sunday Nov 21-22, 1944 11 - Mostly cloudy first half; clear interval 11^E, 11^45; folding in rapidly, + remaining clouds with light snow

(WIBEN) Nov. 13 — MC −67.4 — SC +30.6 — MTW +29.2 — STW −0.m1 reset

Comet between 2374

Focus 2369

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		comp	REMARKS
[illegible]	12m W	22 42	3	5.91	Ao	3 - 3	[illegible]
[illegible]	50 W	12 41	3-2	7.35	[illegible]	2 - 2 - 2	[illegible]
[illegible]	41 W	13 00	3-2	7.50	KO	2 - 2 - 2	
[illegible]	1 07 W	3 27	3-2	7.94	Ma	2 - 2 - 2	[illegible]
1 30	1 10 W	8 15	2-3	7.48	KO	2 - 2 - 2	[illegible]

[illegible] good

Empty 1 plate in dome

Put new batteries in flash light

	MC	SC	MTW	STW
Nov. 16	−1 17.2	+28.5	−22.s4	−0.m1
			reset	
20	−1 05.6	+26.2	−11.s4	+0.m1
23	−1 04.8	+24.1	−06.s5	+0.m3

reset +01.2

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
10807	[illegible]	[illegible]	[illegible]				+00.5		02 46	
10808	47886	06 39.7	+11 06	"	"	"	+00.5	02 47	04 06	
	62437	07 [illegible]	+62 39							

Form 23 77 3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
		+23 17	0-	6 16 Ha	
2 45	0 50 W	+ 11 57	0-1	7 20 Ha	2-2-2
3 14	(1 12 W)	+ 11 05	0-1	7.78 Ma	2-2-2 sky clearing over 3 49 ; practically gone 3 53
				6 62 Fo	
					closed 5.10
					Heat on mirror and shutter opening + plateholders loaded ; 6 plates in box
					Finder 4" f on Zach 1 - off mirror.

Date Friday November 24-25 1911 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1	HD 3	0 4	+73	J-25		2.0	-2.4	22 36	0 2	
2	33 Cas	0 11	+54 52				-2.2	0 12	0 46 2	
3										
4										
5										
	Sun									

Very windy N wind and a few thin clouds

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

3 hidden tracks, 2 to 2 plates
Heat NOT on Mirror

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Date Sat Nov 25-26 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
10814	HD 39225	5 46.0	33 53	I-21	Eastman O	0.05	-1.4	00 24	01 08	E
10815	" 42351	6 05.1	18 09	"	"	"	-1.5	01 12	01 46	E
10816	" 39695	5 49.0	2 13	"	"	"	-1.5	01 52	02 20	W

Sunday Nov. 26-27 Cloudy 11

Sunday Nov 28-29, H. Clear first of night, cloudy & rainy

Thu. Nov 30 - Dec 1 1915 Light wind and snow N

Friday Dec. 1-2, 1911 Heavy snowfall Thursday, Friday, Friday afternoon clouds much snow off telescope. Snow Friday eve

Focus 2379

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
0 [illegible]	39 E	33 57!	1-2	1.73 N/a	2-2-2	
3 [illegible]	19 E	18 10	1-3	7+4 KO	2-2-2	[illegible]
02 20	33 W	3 14	0-1	7 5 KO	2-2	clouded.

	MC	SC	MTW	STW
Nov. 27	+03°.0	+21ˢ.6	+08ˢ.0	+0ᵐ.4
30	+04.2	+19.6	+14.6	+0.6

Flare intermittently flaring. Tried to focus shutter to check down motor. No good either motor or head — about 2 ft. focus. Eliminated fault with image below rail, tried after top. Some turning slightly wind, but found it. By the time (1ᵐᵐ) it had [illegible] fairly thick, and shutters were still unfreezable and loaded with snow. Down to +17°.6

Date Sat Dec 2-3 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10817	HD 42807	6 07 7	10 40	I-25	E103a-O	008	-5.1	23 06	00 06	1	
10818	" HD 5512	6 [illegible]	10 [illegible]	"	"	"	-5.1	00 09	00 51	2	
10819	- 39775	5 09 1	00 57	"	"	"	-5.1	00 [illegible]	01 39	3	18 W
10820	" 40372	5 53 1	01 49	"	"	"	-5.1	[illegible]	[illegible]	4	
10821	" 39551	5 47 2	04 [illegible]	"	"	"	-5.0	2 [illegible]	[illegible]	5	26 W
10822	" 51614	6 53 1	03 45	"	"	"	-5.1	3 47	4 19	6	54 W
10823	" 61385	7 26 2	12 [illegible]	"	"	"	-5.2	3 34	4 [illegible]	7	
10824	" T3208	8 21 5	10 29	"	"	"	-5.3	4 28	5 00	8	
	[illegible]										

Focus Set 23.6°

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	1 3+ E	10 43	0	7.24 Gs	2-2-2	
	2 04 E	10 23	0	7.10 Gs	2-2-2	
01 37	3 18 W	00 58	0	7.23 Ho	2-2-2	
	3 39 W	01 53	0	6.20 Gs	2-2-2	
	1 26 W	04 29!	0-1	7.12 Ho	2-2-2	
	2 54 W	03 41	0-1	7.02 Ho	2-2-2	
	3 16 W	13 40	0-1	7.15 Ho	2-2-2	
	4 02 W	16 03	0-1	7.28 Ho	2-2-2	
					4-5	

2 plates + 4 plates in dome
Heat NoT on Mirror
12° F in Dome

Date Sunday, December 3-4, 1944 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
						Set					
10825	HD 40722	05 55.6	+43 22	I-25	E-103a-O	008	-1.8	22 21	22 57	1	
	41467	06 00.3	+41 52	"	"	"	-1.9	23 03	23 36	2	
	41436	06 01.3	+41 04	"	"	"	-1.9	23 39	0 10	3	
	[illegible]	[illegible]	-47 54	"	"	"	-1.9	0 15	0 38	4	
	[illegible]	15 55.0	149 50	"	"	"	-1.9	0 32	0 46	1	
	[illegible]	[illegible]	[illegible]	"	"	"	-1.9	0 52	[illegible]	2	
	[illegible]	[illegible]	[illegible]	"	"	"	-2.0	[illegible]	1 26	3	
	[illegible]	[illegible]	[illegible]	"	"	"	-1.9	1 28	[illegible]	4	
	[illegible]	[illegible]	+46 14	"	"	"	-1.9	2 12	2 35	1	
	[illegible]	[illegible]	+33 36	"	"	"	-1.9	2 40	3 04	2	
	[illegible]	[illegible]	[illegible]	"	"	"	-2.0	3 [illegible]	[illegible]	3	
	[illegible]										
	Monday Dec. 4-5, 1944 M ; clouds and wind [illegible]										
	5:30 AM E.S.T. Cut clouds										
	[illegible]										

Faint set 2380

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	25 E	+43 26	1-2	7.52 KO	1-2-2	Light haze
	5½ E	+31 34	2-0	7.32 KO	2-1-2	
	1 E	+41 25	1-2	7.42 KO	2-2-2	Light clouds Looking good
	5 E	+42 52	1	5.65 Bo	1-1	Light clouds *
	38 E	+46 27	1	5.98 Bo	2-2	Hot Heavy Light clouds
	24 E	+36 41	1-2	7.27 KO	2-1-2	
	4 E	+27 17	1-2	6.22 Bo	2-1	Hot In strays
	11 E	+41 27	1	5.47 KO	1-2-1	
	21 E	+46 12	2-1	5.92 Mo	2-2-2	Hazy
	33 W	+33 11	2	7.24 KO	2-1-2	Hazy + light clouds
	42 W	+37 52	1-1	6.23 Bo	2-2-1	Scattered clouds Hot + strays Light
					8½	
						2 24 plates done
		Some				
		*				

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Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	HD 47396	06 [illegible]	+20 34	[illegible]	[illegible]	[illegible]	[illegible]	1 22	[illegible]	
10 236	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

1944 Dec. 15-16 Friday: Cloudy H

Dec. 17-18 Sunday - Breaking briefly around 10 pm. Started out for readings

Dec. 19-20 Tuesday Clear most of afternoon. Planned to get Undersky

Cloudy last afternoon and evening. Cleared and cloudy about 23 hr.

	MC	SC	MTW	STW
Dec. 4	+05.8	+16.6	-29.6 s reset	-0.4 m
8	+09.2	+13.3	-21.8 s	-0.1 m
11	+~~08~~ 10.8	+13.5	+08.1 s reset	+0.3 m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 12 W	+60 22	1	6-1 Ao		
	0 30 E	+64 48	2	6-30 Go	3-2-2	
	0 54 E	+69 51	2-1	5-18 Ao	3-2-2	Clear later
	0 0 E	+17 22	1	3-69 Ko	2-2-2	
	0 [illegible]	+69 57	1-2	7-12 Ko	2-2-2	
		from last				

	MC	SC	MTW	STW
Dec. 18	+12.7	+12.0	+04.2 s	-0.1 m

[illegible] clouds in flitting by. Left at 7 to go to dd.

[illegible] stars early evening. Slid back, followed by snow squalls just before dark.

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
1 1 8 4 6	MD 47 4 1 5	05 22.4	+24 N1	I-25	F 13.0	2.08	-6.0	23 38	0 22	
								Gal. m.s.	23 53	

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From 2315

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
1 12	0 37 E	+21 41	2	6.5 F	1-2-2 Substantial haze, increasing rapidly after 0[illegible]
23 [illegible]					Completely fixed by end of exposure. Shut up. Light went out. Put dust on mirror.

Date Tuesday 1944 Dec. 21-22 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
								17 39	41	
10841	9 Lyncis	21 35.2	+61 38	1-23	Eiga O	.005	-08x	44	51	:09w
								52	18 01.5	4
10842	v Lyncis	21 42.6	+60 40	"	"	"	-08.0	18 10		
								16		1
								23		
		Plates completely cloudy				22h		cloudy and clearing		
10843	HD 43638	06 23.5	+11 05	"	"	.008	-10.2	22 59	(0 12)	3 :..

focus 23.90

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2 09 W	61 32	0-1	4.68 Bap	7; 7; 7	Exposures (14^s) 7 min 9.5 min (long slit 1" slope on 3 times)
	2 30 W	+60 58	0	4.46 A2p	33; 83; 83	4.1 6.2 7.3
						focus 23.92
	0 11 W	11 03	0	6.71 Fo	2-2-2	evening data. Double weather (may have been on slit about 20 min)
						Cloudy at 1:30
						Y+H Tightened set screw in RA guiding, and reversed belt to the [illegible]
						Sat Dec 23 Dome covered with snow - afraid to open up -
						Sunday PM opened dome - brushed off little snow off telescope - sun has pretty well cleared snow - some left 2^{30} PM
						Set watch. MT +3^s ST -0.^{m}2

Date Tuesday 1941 Dec 26 27 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10844	ε Cas.	0 173.	+62 23	1-2°	Eastman O	.009	-026	19 37 45		4
10845	ε Cas	00 31 4	+53 21	"	"	"	-02.6	19 55.5 58 20 01		1
	Standard (10,911)									
10846	A.D. 33346	15 09.7	+00 26	"	"	.008	-05.1	21 56	23 16	1
10847	45384	06 21.0	+21 34	"	"	"	-05.0	23 22	25 46	3
10848	48843	06 41.1	+17	"	"	"	-05.1	23 [illegible]	[illegible] 5	1
10849	44178	06 36.1	+15	"	"	"	-05.1	0 27	1 12	
10850	36913	06 27.7	+19 17	"	"	"	-05.2	1 14	1 42	
10851	37465	07 135	+33 09	"	"	"	-05.1	2 13	2 [illegible]	
10852	43853	07 [illegible]	+17 25	"	"	"	-05.2	2 42	3 18	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						long slit
	1 33 W	+62 +1	0	4.00 Ia	3-3; 3½, 33	exposures 2m 2½ 5.5 1 1/2 m ½
	1 34	+53 +1½	0-1	3.55 B3	6, 6; 6	16 24 23
						Focus recent 22.84
	0 1.0 W	+12 38	0	7.61 K2	2-2-2	Image [illegible] diffuse + faint
	0 3.5 E	+13 33	0	6.11 A0	2-2-2	[illegible] 30 sec. exposure
	0 13 E	+12 17	0	6.71 F0	2-2-2	off on II, and following
	[illegible]	[illegible]	0	7.15 K0	2-2-2	Light cloud at end
	[illegible]	[illegible]	0	5.93 A2	2-2-2	Increasing clouds
		Clouds heavy [illegible]				
	2 22 W	+22 37	1	4.12 A0	2-3-2	Set strong increasing haze
	2 40 W	+11 38	1-2	7.10 K0	2-2-2	Haze. Star [illegible]
						[illegible]
						[illegible]
	HEAT ON MIRROR.					

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10843	HD 40386	05 57.7	+01 13	1-25	E 103a-a	.058	-02.3	23 14	00 30	3 0.47
10844	[illegible]	06 29.4	+07 39	"	"	"	-02.4	00 11	01 21	4 [illegible]
10845	5692½	07 16.2	+02 54	"	"	"	-05.6	01 23	02 50	1 [illegible]
10846	62437	07 38.9	+02 39	"	"	"	-05.1	02 14	03 20	2 [illegible]
	from this									

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	0 a1W	+01 17	0	756 to 2 2 2	
	1 02W	+02 41	0	642 to 2 2-2	
	1 03W	+02 52	0	534 GS 2-2-2	
	1 02W	+02 31	0	CGK FO 2-2-2	

	MC	SC	MTW	STW
Jan. 2 12	+21.7	+10.2	+08^{s}.2	−0^{m}.2
			reset	

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10957	α Peg	22 58 +11 46	I-37	[illegible]	.065		[illegible]	[illegible]	1		
10958	α Aqr	20 [illegible] +2 32	"	"	"	-7.8	14 [illegible]	19 [illegible]	2		
10959	η Aqr	21 57 [illegible]	"	"	"	-7.8	[illegible]	[illegible]	3		
10960	1 Cep [illegible]	21 [illegible] +53 42	"	"	"	-7.8	[illegible]	[illegible]	4		
10961	m.p. 21 43 +29 31	[illegible]	"	"	.063	-7.8	[illegible]	[illegible]	1		

Very cold with light wind

Comet 22.97

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Emp.	REMARKS
	2 44 W	+ 11 37	2	2.5 B9	4, 6, 2	Opened 5h, 7h 38m Stiff [illegible]
	2 01 W	+ 12 37	2	4 0 B0	4, 4, 4	3", 05", X 10" * 7"
						* Clouds over having just opened
	1 15 W	+ 11 12	2	2.1 B2	4, 4, 4	7h, 10h 48m Stiff [illegible]
		12 53	2	1.9 B	4-5	
	1 12 W	+ 14 32	2-1	3 1.7 B½	3-4-2	Clouds 12h-13h to light above end of Tel. Leaving clouds 21h
						[illegible]
						Low Temp -3°.0
						Jan 3 - Snow on dome.
						Jan 4 - Sun melted snow fairly well -
						opened shutters 3 P M

Date 1941 January 9-10 Thursday N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Min
10862	HD 47311	06 03 3	+02 51	1-22	I 3950	.028	-07.9	22 44	23 22	2
10863	45357	06 21 8	+00 54	"	"	"	-08.6	23 05	23 47	3
10864	6[illegible]57	07 23 0	+01 36	"	"	"	-08.0	23 31	00 04	4
10865	6[illegible]57	07 38 0	+01 31	"	"	"	-08	00 15	00 43	1
10866	[illegible]6[illegible]	07 51 3	+03 54	"	"	"	-08.0	00 49	01 27	2
10867	[illegible]6[illegible]	08 51 4	+03 27	"	"	"	-08.1	01 19	01 53	3
10868	73361	08 [illegible]5	+02 06	"	"	"	-08.2	01 50	02 31	4
10869	74333	08 41 2	+02 28	"	"	"	-08.3	02 32	02 48	1
	focus plate									

Broken cirrus early morning; clear sky 21:30

Form 23-0-2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	0 24 E	+02 23	0	5.28	k_0	2-2-2	GET STRONG
	0 03 W	+00 54	0	6.51	A_0	2-2-2	" "
	0 43 E	+02 32	0-1	5.22	I_{10}	2-2-2	" "
	0 17 E	+02 34	0	6.62	F_0	2-2-2	~1¼
	0 00	+01 13	0-1	6.90	G_5	2-2-2	
	0 20 E	+01 31	0-1	7.14	G_5	2-2-2	
	0 39 W	+01 01	0-1	7.13	F_0	2-2-2	much cirrus moving over E.
	0 42 W	+1 17	0-1	5.71	k_0	2-2-2	(doubtful)
						7-5	

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Date Friday January 5-6 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10970	H.D. 42466	06 05.8	+51 12	I-25	E-103a-0	0.8	-10.6	21 31	22 31	2
10971	46349	06 28.3	+71 50	"	"	"	-11.7	22 35	23 20	3
10972	50982	06 50.0	+70 57	"	"	"	-10.3	23 21	23 57	4
10973	49747	06 25.4	+72 46	"	"	"	-10.8	0 02	0 31	1
10974	45560	06 22.1	+77 40	"	"	"	-10.3	0 38	1 16	2
10975	62140	07 37.4	+63 04	"	"	"	-10.4	1 24	2 59	3
10976	65402	07 59.7	+63 21	"	"	"	-11.2	2 06	2 36	4
10977	76292	08 50.1	+49 35	"	"	"	-11.2	2 42	3 02	1
	Focus test - setting for best									
	Thurs P M cleaned ice off lower rail									
	opened + closed dome - ok.									
	Fri 12-3. Cloudy during last part; closing by 2 P M									

Dome Temp: 21^00 +1°C
22^00 +1°F
23^00 -1
0^00 -4
1^00 -6
2^00 -8

Cloudy with snow late afternoon + early evening.

Trans out 23.93 to 23.94

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 55 E	+51 14	0	7.28 K0	2-2-2	Transforming good, using Tenth, 15% of 4th light, .5% of 5th mag, 15%
	0 30 E	+71 51	0	6.85 F5	2-2-2	
	0 12 E	+72 54	0	6.83 K0	2-2-2	
		+72 44	0	6.56 F2	2-2-2	
	1 28 W	+71 41	0	6.52 A8	2-2-2	Set strong, min light 20% with 2 stars.
	1 01 W	+62 51	0	6.49 A5	2-1-2	Increasing haze,
	1 24 W	+62 17	0	6.54 F3	2-2-2	light dropping
	0 51 E	+49 25	0	6.24 F8	3-3	
					8^3/4	

Stopped in mist, left with lamps & machine in unit, obstructing door. Combat the trouble with RA clamps. Some cloud very sluggish, no clearing for sure, will get word on this.

Thursday 11-12- Hyperion shut all night.

		MC	SC.	MTW	STW
Jan. 8	12	+25.5	+10.2	-00^s.9	-0^m.1
11	12	+27.5	+11.0	+01^s.2 reset	+0^m.1

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	HD 50371	06 [illegible]	+11 [illegible]	[illegible]	[illegible]	[illegible]	-7°	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	07 [illegible]	-27 [illegible]	[illegible]	[illegible]	[illegible]	-3°	0 52	[illegible]	[illegible]

Jan. 15 | MC +30.2 | SC +11.8 | HTW s −01.4 | STW m +0.1 (reset)

Ending Time E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 27 W	+11 04	0	7.8 P5	2-2-2	
1 29 W	+27 18	0	5.6 P2	3-3	

Hour is an hour after sunset. [illegible] 22h - 23h30

[illegible]

[illegible]

[illegible]

Date Wed Jan 17-18 — Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10880	HD 46709	6 09.8	10 04	I 25	E103a-O	008	-9.9	20 48	22 08	5 54E
10881	42111	6 32.8	2 31	"	"	"	-9.9	22 14	22 48	1 8W
10882	50277	6 47.4	5 30	"	"	"	-10.0	22 54	23 40	1 12W
10883	" 60111	7 27.9	3 30	"	"	"	-10.1	23 44	00 08	3
10884	" F53E7	7 29.0	3 35	"	"	"	-10.0	00 13	00 37	4 37
10885	" 63435	7 43.8	1 34	"	"	"	-10.1	00 43	01 23	1 10W
10886	" 74591	8 19.7	6 03	"	"	"	-10.2	01 28	01 52	4 2W
	Focus									
	Thu Jan 18-19		Cloudy	"						

Form 2390

Ending Time EST	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	54 E	+10 05	0	7.24 K0	2-2-2	0 Exp x 2
	9m W	2 32	0	5.58 A0	2-2-2	0 " x 3½
	22m W	8 29	0	5.90 A5	2-2-2	0 " x 4
	0m W	3 28	0	5.80 A5	2-2-2	0 " x 2½
	37 W	3 31	0	5.82 A0	2-2-2	0 " x 3
	1 08 W	4 31	0	7.07 G0	2-2-2	0 " + 25%
	42 W	5 55	0	6.06 A2	2-2-2	
					7-5	

Everything worked at dome shut except Seeing & pos.

test over = house flashed & dome.

		MC	SC	MTW	STW
Jan. 18	12	+32.7	+13.2	+12s3	+0m4

Date Sunday January 19-20, 1947 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
20787	HD 13159	02 10.7	+01 .2	I-25	[illegible]	2.7 128	-6.0	1: 35	2: 03	
20788	HD 13220	02 22.4	+02 44	"	"	"	-6.2	2: 15	2: 31	2
20789	HD 13272	02 35.8	+03 05	"	"	"	-5.0	2: 51	3: 02	
20790	HD 13280	02 36.5	+03 25	"	"	"	-5.1	3: 25	3: 41	
20791	SAO 93125	02 40.7	+03 36	"	"	"	-5.4	3: 43	3: 54	
20792	HD 13361	02 45.4	+04 11	"	"	"	-5.8	4: 03	4: 21	
20793	HD 13421	02 55.1	+04 01	"	"	"	-5.0	4: 28	4: 37	
20794	HD 13483	03 03.8	+04 57	"	"	"	-5.1	4: 53	5: 11	
	[illegible]									

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date Sat. Jan 21-22 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	A	Hour Angle End
10895	HD 50204	6 47.1	38 38	7 cm	[illegible]	0.08	-45	20 27	21 17	1	
~~[illegible]~~	52100	6 54.8	32 32	"	"	"				2	

Sunday Jan 23-24 H Cloudy; for two [illegible] to [illegible], but [illegible]

Monday Jan. 24-25 Hazy, early sunset, clear and cold A.M.

Tuesday Jan 25-26 Clear and cold - R.F.'s suggested not observing N

Wednesday, Jan 26-27 H Cloudy all day. [illegible] on to [illegible]

Thursday Jan 27-28 H Clear all day. Clouds formed [illegible]

Friday Jan 28-29 H- Partly cloudy all day. [illegible]

Focus 23.84

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	1 51 E	37 35	0.	623 Ao	2-2-2	HD 50037 6.7 [illegible]
				674 Fo		

	MC	SC	MTW	STW
Jan. 22	+35.4	+15.4	+02.4	+0.2
			reset	
25	+37.5	+16.8	+09.8	+0.3

19[30], but sky clouded over fully. Clouds not off around 22 hr, but stars sharp much of time. Low fog at 0 not down on 1 o'clock run. [Dome frost]
after 7[40] run, but cloud on S & E of. Pretty thick, but with thinning at end of evening. Thinning 10[30]–11[00]; thick a great deal 11[00]–11[30].
Jan. 24. [illegible] on 11[00] run (Ao)

	MC	SC	MTW	STW
Jan. 29	+40.3	+18.4	−00.7	+0.3
			reset	

Date 1945 Feb. 1-2 N-U Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10896	ζ And	23 39.2	+42 49	1-25	E 103a O	L .003	-1.5	18 50	19 12	
10900	HD 21389	03 [illegible]	+38 32	"	"	"	-6.5	19 54	20 26	
10898	3 H. Ca...	03 [illegible]	+39 [illegible]	"	"	"	-6.6	19 41	[illegible]	
10899	HD 15237	02 [illegible]	+0 [illegible]	"	"	M .003	-6.6	20 14	20 42	
[illegible]	52554	06 36.6	+17 11	"	"	"	-6.6	[illegible]	22 [illegible]	
10901	22100	06 31.5	+12 32	"	"	"	-6.7	22 27	22 55	
10902	30771	06 [illegible]	+33 [illegible]	"	"	"	-6.7	22 [illegible]	0 03	

ding Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	[illegible]	REMARKS
	4 17 W	+43 00	0-1	4.23 B8	3-1-1; 2-2-2	7", 5"
	[illegible]	[illegible]	1	[illegible]	2 < 3	[illegible]
	[illegible]	+59 46	1	[illegible]	2-2; 3-3	3.5" - 7"
	1 12 E	+0 56	0-1	6.51 A0	2-2-2	5" [illegible]
	0 27 E	+12 58	0-1	7.52 [illegible]	2-2-2	[illegible]
	0 28 W	+23 30	1-2	6.74 F0	2-2-2	[illegible]
	0 13 W	+15 [illegible]	1-2	7.21 K0	2-2	[illegible]

Date 1945 Feb 2-3 Y Friday Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10903	HD 53667	6h 56m 8	16° 49'	I-25'	E103a-O	008	-8 0	9 [illegible]	9 23	1	[illegible]
10904	" 47156	32 1	16 56	"	"	"	-8.1	9 27	10 27	2	2½W
[illegible]										3	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	03 E	16 49	10	7.19 KS	2-2-2	
10 27	25 W	10 54	0	7.60 KO	2-2	Star gone most of time
				6.60 FO		

Date Sat Feb 3-4 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
10905	HD 47979	6 31	53 24	I-25"	E102.0	0.8	-6.1	7 50	8 40	
10906	46161	363	55 26	"	"	"	-6.3	8 45	9 45	4
10907	21+32	546	7 40	"	"	"	-6.5	9 54	10 44	1
10908	14070	7 02	71 59	"	"	"	-6.3	10 51	11 35	2
10909	62 183	310	63 94	"	"	"	-6.3	11 40	00 00	
10910	25+46	239	42 41	"	"	"	-6.4	00 05	00 35	
10911	7+73	8 03	69 39	"	"	"	-6.4	00 50	01 26	

Sunday Feb 11-12 H- Snow all day; cloudy night-

Tuesday Feb 12-13 Snow upper cable installed by Sept. office (100 ft

Friday Feb. 16-17 Clear all day; clouds at dark for one hour or so. It

For wind to be right to begin; and Tom will get

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	1 22 E	53 24	0	[illegible] KO	2-2-2	
	½ E	55 26	0	753 KO	2-2-2	
	2½ W	70 51	0-1	761 KO	2-2-2	
	5½ W	71 27	1	765 KO	2-2-2	
	5 W	62 56	1-2	[illegible] KO	2-2-2	
	6 W	63 16	1-2	[illegible] KO	2-2-2	
	7 W	64 35	1-2	7[illegible] KO	2-2-2	Dew

	MC	SC	MTW	STW
Feb. 5.	+45.5	+22.7	-02.5	-0.2

Monday Feb 5 Y found losing after, all telescopes were down.
Tried home with T shows; guards better rel of gusts

Feb. 7	12h	+47.2	+23.0	-21.0	-0.2
	12	+50.8	+25.0	+18.8	reset (stopped) 0.0
					reset stopped
	14 12	+52 4	+25.8	-00.6	+0.1
					reset stopped

(Feb. night)
Mr. Cl clearing but very high wind.
3:15 Paint all the left end of mirror

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Date Sat Feb 17-18 /45 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10912	HD 54901	7 05.2	27 02	I-25	E103a-0	008	-4.0	7 21	8 01	2	
10913	53510	7 00.2	9 18	"	"	"	-4.1	8 06	9 06	3	
10914	62437	7 38.9	2 39	"	"	"	-4.2	9 11	10 11	4	
10915	63799	7 45.6	3 32	"	"	"	-4.2	10 14	10 35	1	

Feb. 5 MC +53.6 SC +26.2 MTW +02.8 STW −0.3

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Form 2783

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comb.	REMARKS
	1h 35m E	26 59	0	5.66 A2	2-2-2	0 Exp x 4
	24 E	9 16	0	7.02 K0	2-2-2	" x 2
	3m W	2 35	0	6.62 F0	2-2-2	" x 3
	2.0 W	3 26	0	7.08 B5	2-2	cloudy
						Heat on clock & Pier but has turned off - For 1st hour - cloudy not working. Clock slow rotation very uncertain

Date..... Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Tim E.S.T.

ime	Ending Time E.S.T.

Inside displaced to Violet means focus should be made shorter

Pressing in right hand switch of dome turning relay
moves dome to East